



Illinois Environmental Protection Agency

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Confidential material may be enclosed.

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#### 1. INTRODUCTION

On September 21, 1993, the Illinois Environmental
Protection Agency's (IEPA) Site Assessment Unit was tasked by
the United States Environmental Protection Agency (U.S. EPA)
to conduct a CERCLA Integrated Site Assessment of the
Southern California Chemical Company site located in Union,
Illinois.

The site was initially placed on CERCLIS (Comprehensive Environmental Response, Compensation and Liability Act Information System) in March, 1989 as a result of a request for discovery action initiated by the State of Illinois. This action was taken because of contamination found in the Village of Union Well Number 3.

The facility received its initial CERCLA evaluation in the form of a Preliminary Assessment (PA) report that was completed by Ken Corkill of the Illinois EPA in February, 1990. In April, 1994, the Illinois EPA's Site Assessment Unit prepared and submitted to the Region V offices of the U.S. Environmental Protection Agency an Integrated Assessment inspection work plan for the Southern California Chemical Company facility. The sampling portion of the Integrated Site Assessment inspection was conducted on May 4 and 5, 1994 when the Illinois Environmental Protection Agency sampling team collected a total of one municipal well, two monitoring well and ten soil samples.

The purpose of the Integrated Assessment has been developed from USEPA directive and guidance information which

outlines Site Assessment program strategies. The information states:

The Integrated Assessment will be conducted to: 1) Collect data which would satisfy both site assessment and remedial program activities. This would incorporate hazardous waste, surface water, air and groundwater concerns. 2) The objectives of the assessment are to determine whether time or non time critical removals are warranted and to determine whether the site is National Priorities List (NPL) caliber. If the determination is made that the site is NPL caliber, additional data will likely be needed to complete the assessment. A sampling plan to accommodate removal and site assessment needs, as well as initial remedial needs should be developed. 3) Determination of sampling needs will be accomplished with an understanding to assure adequate data for the removal assessment and the preparation of the Hazard Ranking System (HRS) score as well as the need for possible initial sampling for the remedial investigation. Based on the preliminary HRS score and removal program information, the site will then either be designated as No Further Action (NFA) or carried as an NPL listing candidate. Sites that are designated NFA or deferred to other statutes are not candidates for an Integrated Assessment. 4) Upon completion of the data gathering there will be a determination of whether the site should be forwarded within the Superfund process, either through the remedial or removal programs.

The initial assessment of a site as it enters the Superfund program within Region V will be conducted by either a Regional On-Scene Coordinator (OSC) and a Site Assessment Manager (SAM) or by State personnel. An OSC and a SAM will be assigned for all new sites entering the Regional Superfund program. If an emergency is found to occur, USEPA or state emergency removal staff will be immediately contacted for action. If the site needs further Superfund activities a Site Assessment Team (SAT), comprised of the State, the SAM, the Regional Project Manager (RPM) and OSC will be formed. As necessary, additional data can be generated for the SAT to make a recommendation to the Regional Decision Team (RDT) for further possible action.

The Integrated Assessment will address all the data requirements of the revised HRS using field screening and NPL level Data Quality Objectives (DQO's) prior to

data collection. It will also provide needed data to support remedial investigation workplan development.

Only sites that appear to score high enough for NPL listing and that have not been deferred to another authority will receive an Integrated Assessment.

An Integrated Site Evaluation form pertaining to site specific operations and waste characteristics was completed and forwarded to U.S. EPA Regional offices. Upon review U.S. EPA program managers assigned On-Scene Coordinator, OSC, Don Bruce to Southern California Chemical Company. Substances documented to be present at the site in concentrations greater than established Removal Action Levels include: chromium (at concentrations of 1,090 ppm) and copper (at concentrations of 22,400 ppm). These concentrations were found in soil sample X103 collected at a depth of six to eight inches.

Based on this author's initial findings, and a conversation with the assigned Regional On-Scene Coordinator it was determined that the site does not pose an immediate threat to human health or the environment that would warrant a response action. Although no immediate removal threat is presently warranted, further investigation may provide additional information. In the event that future analytical information at this site documents the presence of a potential hazard to human health or the environment, this information will be presented to the Region V CERCLA removal program for reassessment.

#### 2. SITE BACKGROUND

#### 2.1 INTRODUCTION

This section includes information obtained over the course of the formal CERCLA Integrated Site Assessment inspection investigation and previous Illinois Environmental Protection Agency activities involving this site.

#### 2.2 SITE DESCRIPTION

The Southern California Chemical Company site originally consisted of three parcels of property. Parcels one and two consisted of the inactive manufacturing plant located at 17415 Jefferson Street, McHenry County, Illinois. This property consists of approximately 2.5 acres and is in the process of RCRA (Resource Conservation and Recovery Act) Closure. This property is currently owned by PHIBRO-TECH, Inc. of Ft. Lee, New Jersey. The third parcel consists of a dump area of approximately 5 acres of land adjacent on the east side of parcel two. The Integrated Site Assessment inspection focused on parcel three since parcel one and two are covered under RCRA authority and currently undergoing a closure activity.

The dump area property is currently under uncertain ownership. A Tax Records check at the McHenry County Courthouse in Woodstock, Illinois on March 30, 1994 indicated that the taxes on the property have been delinquent since 1987 and that the last person to pay the taxes was Edwin B.

King of CALSO IL CORP in Austin, Texas. The property was alleged to have been purchased at a tax auction held in 1992 but according to the Tax Office no one has redeemed the property to date and there is no other owner on record.

The Southern California Chemical Company site and dump area is located in the southeast portion of the village of Union, McHenry County, Illinois. The property is bordered on the north by Jefferson Street, on the east by private property, on the west by the Solarcrete Corporation and on the south by railroad tracks and farmland. North of the property across Jefferson Street lies Evergreen Park School and the So Good Bar-B-Que Company that makes bottled Bar-B-Que sauce. The site is situated in the Northwest quarter, Southeast quarter, Section four, Township forty-three North, Range six East of the Third Principal Meridian in McHenry County, Illinois. A four mile radius map of the area surrounding the Southern California Company site and a fifteen mile surface water map is provided in Appendix A and B of this report.

#### 2.3 SITE HISTORY

According to Illinois Environmental Protection Agency files, site representative interviews and McHenry county courthouse records, the property where the chemical manufacturing took place is owned by PHIBRO-TECH, INC. and the dump area to the east is owned by Edwin B. King of CALSO IL CORP of Austin Texas, who hasn't paid the property taxes

since 1987. Past uses of the property included a grain processing plant, a milk processing plant and an asphaltic roofing plant. The inorganic chemical manufacturing operations at the site began in 1970 when the original owners of Southern California Chemical Company leased the facility. They purchased the facility in 1982, which consisted of three parcels of land known as parcels one, two and three. The current owners of the company (PHIBRO-TECH, INC.) purchased parcels one and two but did not purchase parcel three, which is five acres adjacent east of the manufacturing parcels, in 1984. The current owners operated the facility until closing in 1988.

The original manufacturing facility consisted of four buildings of approximately 24,000 square feet located on two and a half acres of land. Activities conducted by Southern California Chemical Company involved the manufacture of various inorganic chemicals including copper sulfate pentahydrate and copper oxide, proprietary and patented continuous ammonia etchants as well as the recycling and refining of spent circuit board etchant which was resold to the printed circuit board processors after purification. Proprietary products manufactured included solder strippers, brighteners, conditioners and types of etchants. A by-product of copper oxide residuals was sold to the agricultural and wood preserving industries. Feedstocks for the etchant recycling process consisted of a portion of the received spent etchant being placed in a reaction vessel charged with

sodium hydroxide which results in a reaction that formed ammonia and a suspension of cupric oxide. The ammonia was scrubbed with hydrogen chloride which resulted in a solution of ammonium chloride. The ammonium chloride was placed, along with the other portion of spent etchant, into another reactor vessel where anhydrous ammonia and air were added which resulted in a refined printed circuit board etchant which was sold back to the printed circuit board manufacturers.

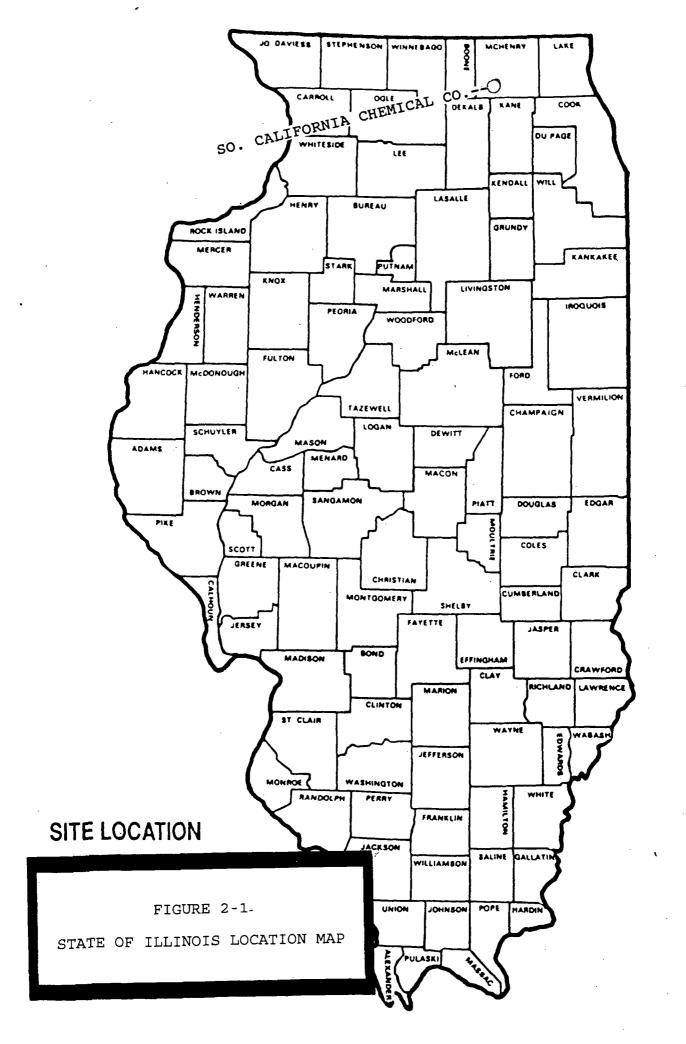
The company had a number of hazardous waste storage containers, including six aboveground storage tanks of six thousand to ten thousand gallon capacity and potential storage capacity for up to twelve hundred fifty-five gallon drums. The facility shut down operations and removed process equipment in 1988. The parcel of land located east of the manufacturing area has exposed fragments of buried printed circuit boards which were deposited over the years the facility was in operation.

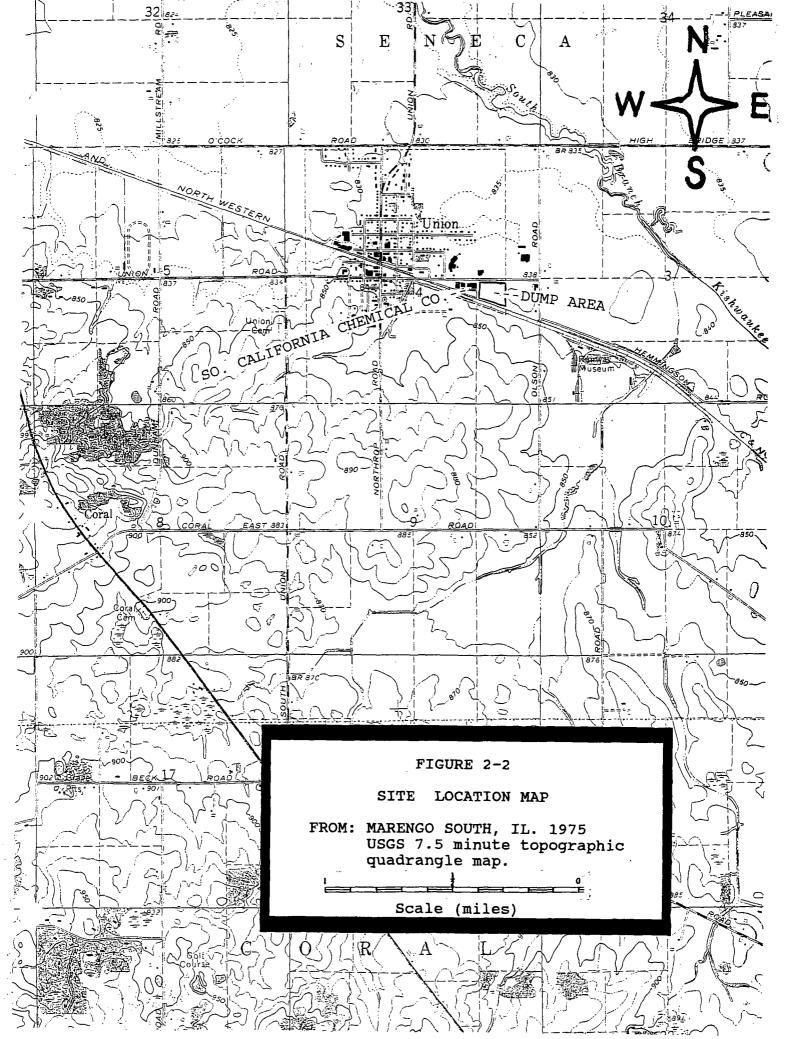
## 2.4 APPLICABILITY OF OTHER STATUTES

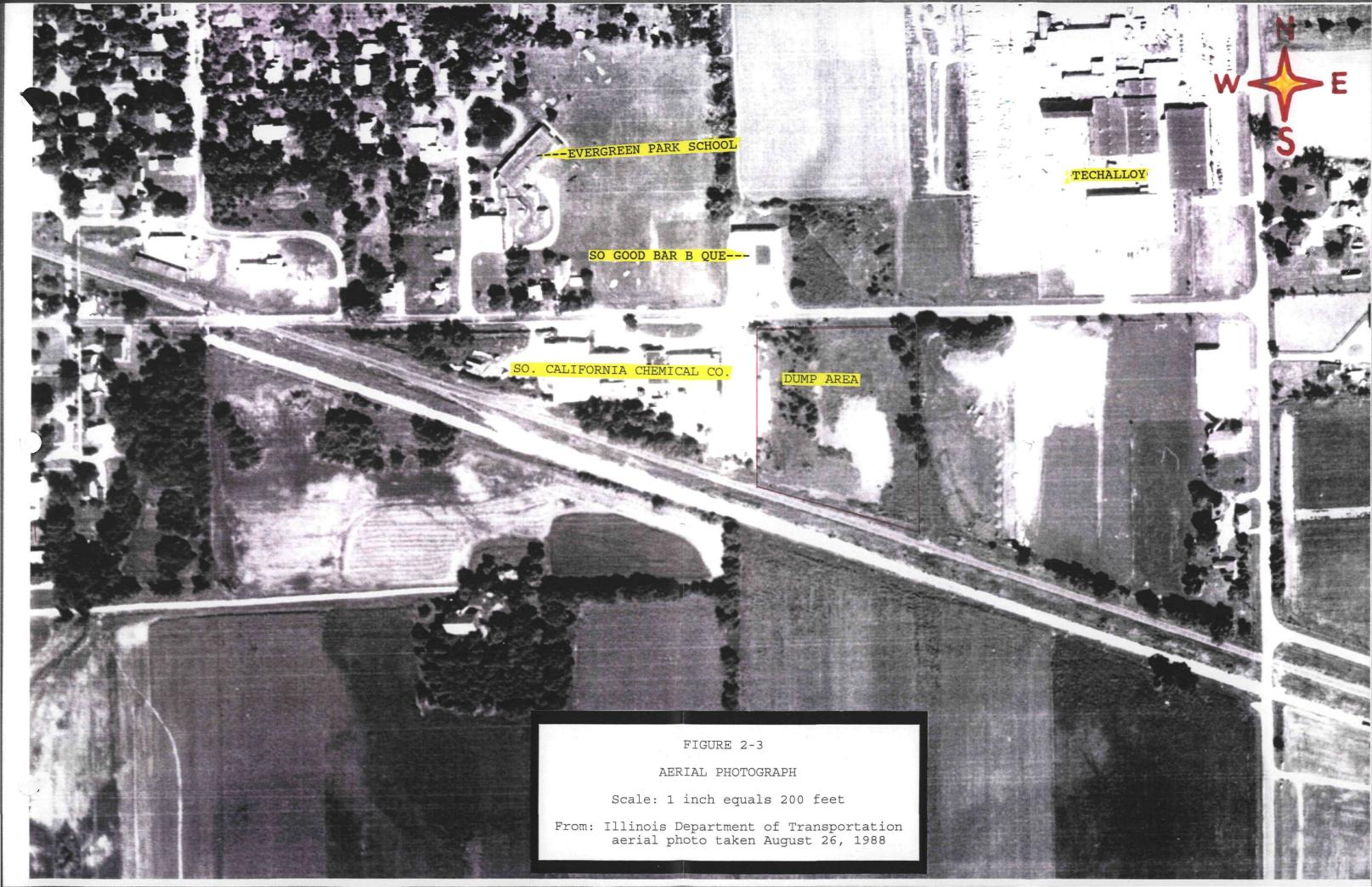
Southern California Chemical Company was regulated under RCRA (Resource Conservation and Recovery Act) and is in the process of undergoing RCRA Closure of the area used for manufacturing. This closure process does not involve the dump area to the east.

The facility was issued permit number 111090AAG by the Illinois Environmental Protection Agency's Division of Air Pollution Control on March 16, 1983 for the operation of one

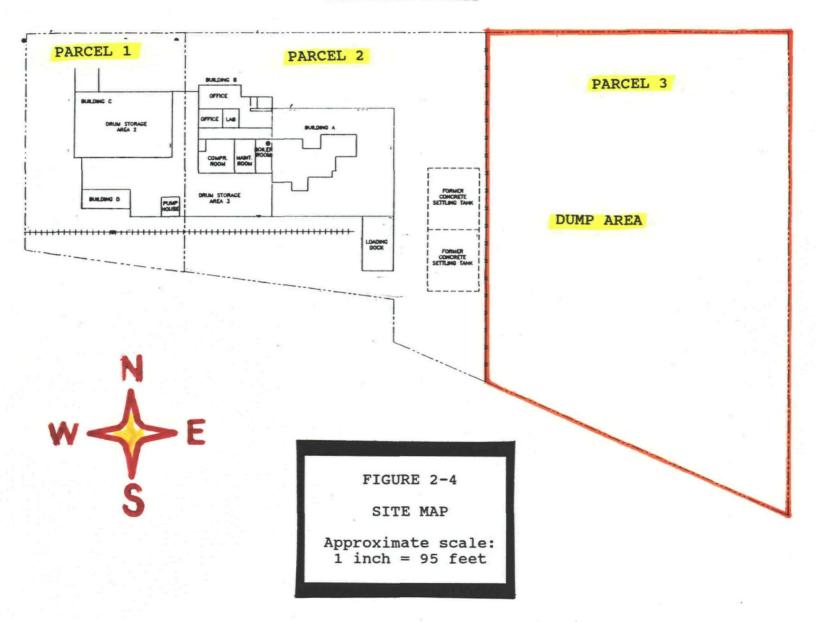
scrubber used in the ferric chloride process. The IEPA
Division of Land Pollution Control issued the company Permit
Number 1981-45-OP in 1981 to operate a waste management site
to recover spent etchant; and the Illinois EPA Division of
Water Pollution Control issued permit 1984-EB-2998 on
February 6, 1984 for a concentration, precipitation and pH
adjustment industrial treatment works to treat 11,250 GPD DAF
of copper oxide production and wash wastewater with force
main discharge to the Kishwaukee River but the treatment
works was not constructed.







## JEFFERSON STREET



## 3.0 SITE INSPECTION ACTIVITIES AND ANALYTICAL RESULTS

#### 3.1 INTRODUCTION

This section outlines procedures utilized and observations made during the CERCLA Integrated Site Assessment inspection conducted at the Southern California Chemical Company facility. Specific portions of this section contain information pertaining to the site representative interview, reconnaissance inspection and field sampling procedures. Also included in this section is information about the soil and groundwater samples that were collected during the site inspection, a description of the analytical results and a table indicating the Key Samples and their contaminants. The Integrated Site Assessment inspection for the Southern California Chemical Company facility was conducted in accordance with the site inspection work plan that was developed and submitted to the U.S. EPA Region V offices prior to the initiation of field activities. The U.S. EPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for Southern California Chemical Company is located in Appendix C of this report.

#### 3.2 RECONNAISSANCE INSPECTION

On March 30, 1994 Mr. Robert Casper and Mr. Kevin Lesko of the Illinois Environmental Protection Agency conducted a Site Reconnaissance Inspection of the Southern California Chemical Company facility at 17415 Jefferson Street in Union, Illinois. The reconnaissance included a visual inspection of

the facility to delineate the extent of their activities, identify potential sampling locations and identify appropriate health and safety concerns. During the reconnaissance visit it was determined that Level D inspection attire could be worn during the sampling activities unless air monitoring equipment detected any concentrations over background levels. After the site reconnaissance visit the route to the nearest hospital was driven as required by IEPA Site Safety Plan standard operating procedures. Prior to the reconnaissance inspection arrangements were made to meet Steve Salisbury at the Union facility. Mr. Salisbury is the Environmental Health and Safety Manager at the Joliet, Illinois plant of PHIBRO-TECH, Inc., which is the current owner of the Southern California Chemical Company property. On the date of the visit Ron Shacklee, property custodian, and Steve Salisbury conducted a tour of the Union facility and the adjacent landfill area located east of the manufacturing plant.

The area used for the manufacturing consists of approximately 2.5 acres and since it is presently undergoing RCRA closure was not considered for soil sampling. This area contains three monitoring wells and two of the monitoring wells near the eastern boundary adjacent to the landfill area were noted as potential groundwater sampling locations. The equipment has been removed from the buildings and the custodian tends to building maintenance and security. The property is fenced on all sides and access is through a

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locked gate or by walking through the locked main building. The exterior grounds is covered with gravel and blue stains were observed in some areas.

The landfill area adjacent to the east consists of an area of disturbed ground along the western boundary and a low area along the east and southern boundaries where water appears to flow during wet weather. This area is classified as a Temporary Emergent Pulustrine wetland according to the national wetland inventory map. The surface drainage pathway to the site is along the CNW railroad tracks along the southern boundary of the property and into the wetland area. A noticeable feature of the low area was a lack of vegetation. Mr. Salisbury said that the low area sometimes is full of water and at times is covered with plant growth. Drainage from the site is north across Jefferson Street into another small wetland area which contains a willow thicket. No readily identifiable drainage pathway could be found beyond this point and there is no apparent Probable Point of Entry into perennial surface water.

The western third of the landfill area consists of disturbed soil with fragments of printed circuit boards exposed on the surface. There are small mounds that appear to be dump areas with trees grown in and around the piles. Mr. Salisbury stated during the recon that the present owners of Southern California Chemical Company have never used the property for dumping and is unaware as to the origin of the piles or printed circuit boards that litter the area.

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Land use around the facility is primarily commercial.

Directly north is So Good Bar-B-Que which is a manufacturer of Bar-B-Que sauce. Also north across Jefferson Street is Evergreen Park School. Tech-Alloy is located approximately 500 feet northeast of the site across Jefferson Street and is a RCRA facility. No definite drainage path from the facility could be determined since the area is flat and there is no nearby surface water.

#### 3.3 SITE REPRESENTATIVE INTERVIEW

A site representative interview was held on May 4, 1994 with Steve Salisbury and Ron Shacklee representing Southern California Chemical Company and the author representing the Illinois Environmental Protection Agency. It was explained that the Illinois EPA is primarily interested in sampling the landfill adjacent to the manufacturing area and that the monitoring wells closest to the east boundary would also be sampled. Mr. Salisbury stated that they would split the samples collected on their property but did not need to split the samples collected off of their property. He had the keys to the gate and well locks and stated that he would see to it that we had access and any cooperation from him or Mr. Shacklee that we may require. On May 4, 1994 the Illinois Environmental Protection Agency sampling team of Robert Casper, Peter Sorensen, Greg Spencer and Mark Weber began the site inspection activities.

#### 3.4 SOIL/SEDIMENT SAMPLING

On May 4 and 5, 1994 Illinois Environmental Protection Agency Personnel collected ten soil and one duplicate samples for the purpose of determining if areas of contamination were present at the Southern California Chemical Company facility and surrounding area (see figure 3-1 for sampling locations). The shallow soil samples were collected with stainless steel spoons and trowels whereas the deeper soil samples were collected with stainless steel bucket augers. The soil was transferred directly into the sample jars from the sampling device. Before the spoons, trowels or bucket augers were used at the site, each had been decontaminated at the Illinois Environmental Protection Agency's warehouse. HNU photoionization detector readings were taken during sample collection but no readings over background were detected. During the Integrated Assessment Inspection Level D personal protection was worn.

The soil sample jars and the groundwater bottles were packaged and sealed in accordance with previously documented CERCLA Site Assessment procedures. The IEPA samples were analyzed for the Target Compound List with the organic compounds being analyzed by Southwest Labs of Oklahoma in Broken Arrow, Oklahoma and the inorganic substances by Silver Valley Labs, Inc. of Kellog, Idaho. The drinking water samples from Union Well No. 4 were analyzed by the United States Environmental Protection Agency Central Region Laboratory in Chicago, Illinois. Photographs for the Southern

California Chemical Company Integrated Site Assessment inspection are provided in Appendix E of this report.

According to "Soil Survey Report No. 81" for McHenry County, issued August, 1965 by the United States Department of Agricultural Soil Conservation Service, the land where Southern California Chemical Company is situated is classified as containing areas of "Saybrook silt loam", "Volina silt loam to loam" and "Thorp silt loam". The background sample location at Union park is classified as "Volina silt loam to loam". The following table lists the soil samples that were collected on May 4 and 5, 1994:

Table	3-1

Soil Samples

<u>Time</u>	<u>Depth</u>	Location
5/5/94 X101 12:50	6 to 12 "	Background sample collected at Union Park located approximately 3200 feet from the site at a point 183' south and 48 ' west of the intersection of Main and Elm, on the east side of the park.
5/4/94 <u>X102</u> 14:20	2'to 3'	Collected between the dump area and CNW railroad tracks 22' south and 29' east of the southeast corner of the Southern California Chemical Co. fence. Appearance: Brown to black sandy clay.
5/4/94 X103 15:40	6"to 8"	Collected in the dump area 129' east and 31' north of the southeast corner of the Southern California Chemical Co. fence. Appearance: Brown sandy clay layer approximately two inches thick.

X104 X105 16:15	2' to 3'	Background and duplicate samples collected in the dump area 307' east and 37' north of the southeast corner of the Southern California Chemical Co. fence. Appearance: Black sandy clay.
5/5/94 X106 10:25	2' to 3'	Collected in the dump area 99'6" north and 133' east of the southeast corner of the Southern California Chemical Co. fence. Appearance: Black sandy clay.
5/5/94 X107 10:45	2' to 3'	Collected in the dump area 66' west and 162' south of the northeast corner of the fence along Jefferson Street. Appearance: Black sandy clay.
5/5/94 X108 11:05	2.5'to 3.5'	Collected in the dump area 95' east and 125' south of the northwest corner of the Southern California Chemical Co. fence. Appearance: Black sandy clay.
5/5/94 <u>X109</u> 11:25	6" to 12"	Collected in the wetland area located north of the dump area across Jefferson Street 90' west and 120' north of the southeast corner of fence. Appearance: Black sandy clay.
5/5/94 X110 11:45	6" to 12"	Collected in the wetland area located north of the dump area across Jefferson Street 60' east and 39' south of the north end of the fence located along the east side of the So Good Bar B Que Co. Appearance: Medium brown clayey sand.
5/5/94 X111 12:15	6 to 12"	Collected in the wetland area located north of the dump area across Jefferson Street 75' north and 135' east of the northwest corner of the dump area fence. Appearance: Black sandy clay.

Standard Illinois Environmental Protection Agency decontamination procedures were followed prior to the collection of all samples. The procedures included the scrubbing of all equipment (bailers, spoons, pans, etc.) with

a non-foaming Trisodium Phosphate solution, rinsing with acetone, rinsing with hot tap water again and final rinsed with distilled water. All equipment is air dried, then wrapped and stored in heavy duty aluminum foil for transport to the field. Field decontamination procedures include all of the above except the hot tap water rinse but no field decontamination was necessary during the inspection.

#### 3.5 GROUNDWATER SAMPLING

Southern California Chemical Company has three onsite monitoring wells installed in August, 1992 by Dames & Moore. The nearest private well known to exist in the vicinity of the property is located (b) (9) The nearest municipal drinking water well is Union, Illinois Well No. 4 located (b) (9) Background sample G501 and duplicate G502 were obtained from Union Well No.4 (IEPA Well No. 00276). This is a 760 feet deep well that utilizes the limestone and sandstone aquifers and is cased to 133 feet. The water operator from the Union Water Department stated that the well had been running for approximately one hour. The water in this well was not filtered for total metals since it is used for drinking. Temperature, pH and conductivity measurements were taken prior to collecting the sample and the water was clear with no noticeable odor. HNU readings were taken of the monitoring wells headspace but no readings over background were noted. All monitoring wells were filtered for total metals using a

5 micron in-line filter. The following table lists the groundwater samples collected on May 25, 1993:

Table 3-2
Groundwater Sampling

<u>Time</u>	<u>Depth</u>	<u>Location</u>
G101 11:25	44'4"	Located at the northeast corner of the original So. California Chemical Co. property, near Jefferson Street. Appearance: slightly cloudy.
G102 G103 12:05	55'5"	Located at the southeast corner of the original So. California Chemical Co. property. Duplicate sample also collected. Appearance: slightly cloudy.
G501 G502 17:10	7601	Union Well No. 4, located (b) (9) (b) (9) (b) (9) Appearance: Clear, no odor.

Standard Illinois Environmental Protection Agency decontamination procedures were followed prior to the collection of all samples. The procedures included the scrubbing of all equipment (bailers, spoons, pans, etc.) with a non-foaming Trisodium Phosphate solution, rinsing with acetone, rinsing with hot tap water again and final rinsed with distilled water. All equipment is air dried, then wrapped and stored in heavy duty aluminum foil for transport to the field. Field decontamination procedures include all of the above except the hot tap water rinse but field decontamination was not necessary during the inspection.

#### 3.6 SURFACE WATER SAMPLING

No surface water samples were collected during the May 4 and 5, 1994 Integrated Site Assessment inspection of the Southern California Chemical Company facility. The site is flat and drainage during a storm event would be into the small wetland located north across Jefferson street, where the drainage pathway ends. According to the Flood Insurance Rate Map for the village of Union, the facility lies outside the 500 year floodplain.

## 3.7 ANALYTICAL RESULTS

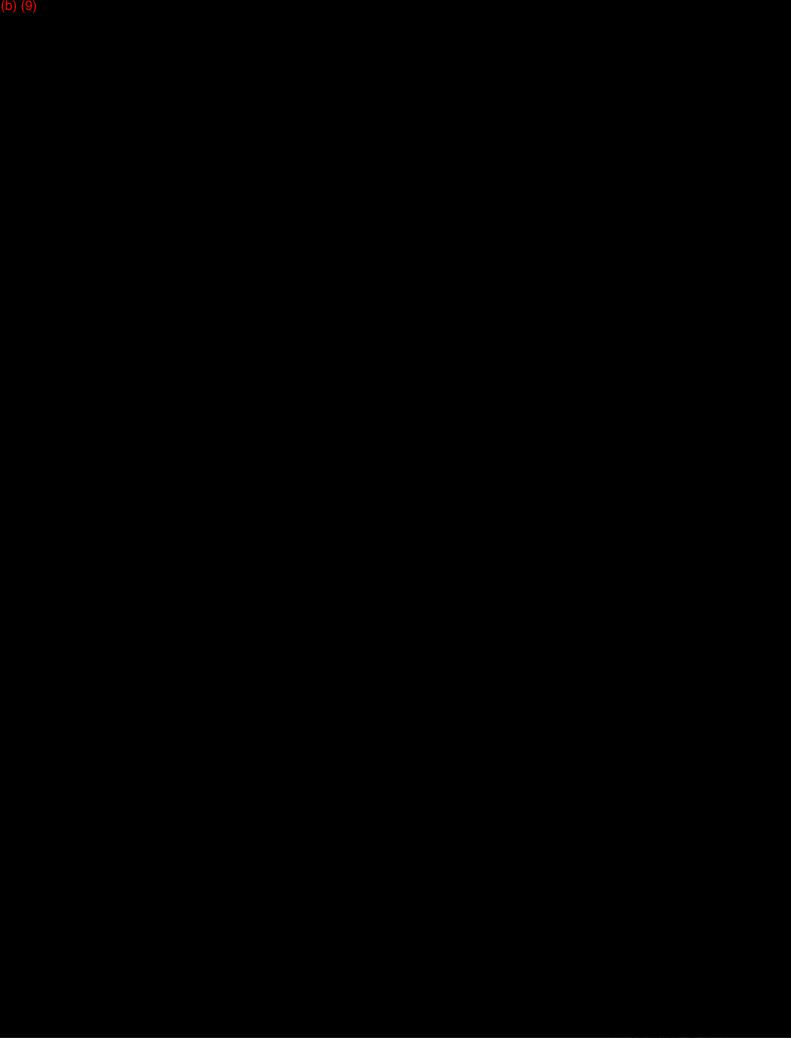
This section includes a summary of the analytical results of samples collected during the Integrated Site Assessment inspection conducted at the Southern California Chemical Company site in Union, Illinois. The field activities portion of the CERCLA Integrated Site Assessment inspection included the collection of Three groundwater and ten soil samples by the Illinois Environmental Protection Agency inspection team. The thirteen samples were collected to determine if any U.S. EPA Target Compound List compounds were present at the site or at potential receptors of concern. As previously mentioned the organic compounds were analyzed by Southwest Labs of Oklahoma in Broken Arrow, Oklahoma and the inorganic substances by Silver Valley Labs, Inc. of Kellog, Idaho. The drinking water samples from Union Well No. 4 were analyzed by the United States Environmental Protection Agency Central Region Laboratory. A quality

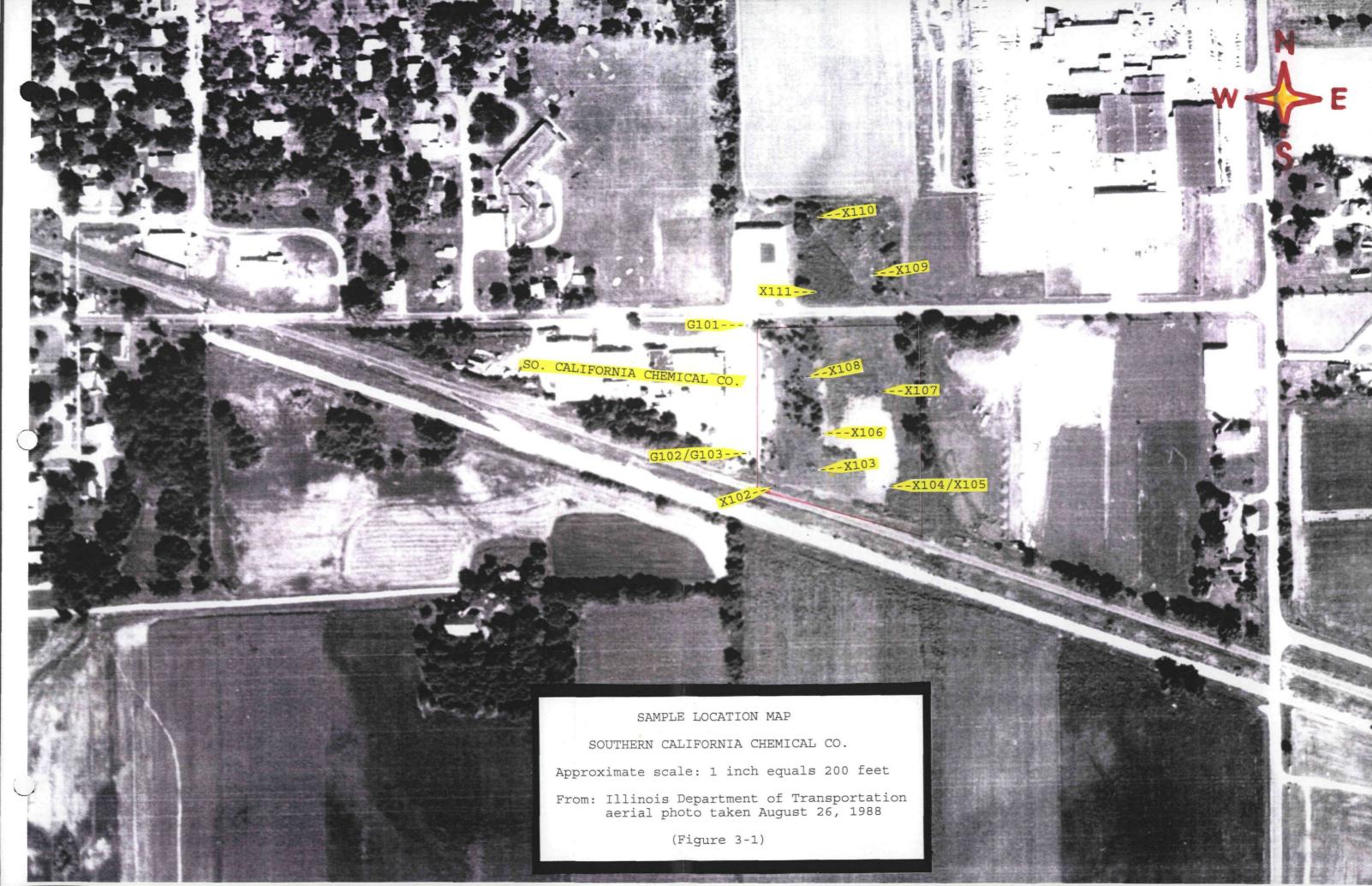
assurance review of the sample analysis was performed by
Lockheed Corporation, who is an Environmental Science
Assistance Team Contractor for USEPA Region V. A final
quality assurance review of the data packages was
subsequently performed by the staff of Central Region
Laboratories of USEPA Region V. The Target Compound Listing
is provided in Appendix D of this report. Specific compound
detection limits can be found in Appendix F (the analytical
section) of this report. See figure 3-1 for specific sampling
locations. Mr. Steve Salisbury and Ron Shacklee of PhibroTech split the monitoring well samples collected on the
original Southern California Chemical Company property. They
did not choose to spit samples collected off of their
property.

Chemical analysis of the groundwater samples collected by the site inspection personnel revealed elevated concentrations of volatile, semivolatile and inorganic substances. Analysis of the ten soil samples collected during the inspection revealed elevated concentrations of volatiles, semivolatiles, pesticides, tentatively identified compounds and inorganic substances. See Table F-1 for the summary of the sample results. Complete laboratory analytical data for the samples are provided in Appendix F of this report.

## 3.8 KEY SAMPLES

Samples collected during the Integrated Site Assessment
Inspection of the Southern California Chemical Company site
indicate concentrations of contaminants at levels that are
significantly above background at certain sampling points.
The following tables list the key samples obtained during the
Southern California Chemical Company Integrated Site
Assessment inspection. For a more detailed sample analysis,
refer to Table F-1 Sample Summary, located at the front of
Volume 2 of this report.





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NAME: So. California Chemical Co. ILD NUMBER 059483081						TABLE 3-3 KEY SAMPLES (Soil)					
SAMPLING POINT	X101	X102	X103	X104	X105	X106	X107	X108	X109	X110	X111
PARAMETER	5-5-94 (Background)	5-4-94	5-4-94	5-4-94	5-4-94 (Duplicate)	5-5-94	5-5-94	5-5-94	5-5-94	5-5-94	5-5-94
VOLATILES											
Tetrachloroethene Ethylbenzene	11.00 U 11.00 U	######################################	2.00 0.60			2.00 J				<u></u>	
Xylene(total)	11.00 U ug/Kg	 ug/Kg	3,00 . ug/Kg		2.00 ug/Kg	J −− ug/Kg	ug/Kg	ug/Kg	ug/Kg	 ug/Kg	 ug/Kg
SEMIVOLATILES											
Isophorone Phenanthrene	370.00 U 370.00 U	) 	810,00 250.00	77 3 <del>45</del> 333 7	2 <del>11</del> 23	M N-F1444		——————————————————————————————————————	10 8 <u>18</u> 8 i		31.00 J
Anthracene Di – n – Butylphthalate	370.00 U 370.00 U		32.00 47.00	J	A.				==		32-033
Fluoranthene Pyrene	370.00 U 370.00 U		320.00 250.00	J		74 <u>8</u> 20 10.					54,00 J 45.00 J
Benzo(a) anthracene Chrysene	370.00 U 370.00 U		150.00 · 150.00 ·	J		wa w <u>ef</u> ili as	788 <del>8 8</del> 888.				45.50 5
bis(2-Ethylhexyl)phthalate  Benzo(b)fluoranthene	21,00 J 370,00 U	,	150.00	.:::::::::::::::::::::::::::::::::::::		74.00 J				250.00 J	
Benzo(k)fluoranthene Benzo(a)pyrene	370.00 U 370.00 U		120,00 120,00	J						7: :::: <del></del> :::::::	
indeno(1,2,3-od)pyrene Benzo(g,h,i)perylene	370.00 U 370.00 U		94.00	J#.+			3383 <del>8 4</del> 833	77 824 386			*** <u>-</u> -
Delizo(8,11,1) pary lette	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
TENTATIVELY IDENTIFIED COMPOUNDS											
Phosphoric acid, dioctadecyl		++ <del>==</del>	## 0.0	## 		760.00 NJ 910.00 NJ		. 45 111 <del>1 2</del> 4116 4	## 		****
Benzo(e)pyrene	 ug/Kg	 ug/Kg	490.00 N ug/Kg		 ug/Kg	ug/Kg	ug/Kg	 ug/Kg	 ug/Kg	 ug/Kg	ug/Kg
PESTICIDES											
Heptachlor	1.90 U		5.10	P::::::	2.60	87-87 <del>-2</del> 7388	****		######################################	98 - <del>1.4</del>	
4,4'-DDE Endrin	3.70 U 3.70 U		6.10 ——			 6.20∶P	 	≋.%:- <del>-</del> #.e.x.		 	<del></del>
4,4' – DDD 4,4' – DDT	3.70 U 3.70 U		9.10 6,80 l		1.5.# <del>1</del> 8 %		 	 - <del></del>	aa <del>I</del> lma		:::: <del>=</del> =:::::
Endrin aldehyde Arodor=1248	3,70 U 97,00 U		8.60 I 120.00			6.40					
Arodor – 1254	37.00 U ug/Kg	ug/Kg	240.00 l ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
INORGANICS											
Beryllium	0.44 B	<b></b>	3 3 <b>324</b> 0.00		(	3,40		5888 <del>34.</del> -38			******
Cadmium Calcium Chromium	0.89 U 1430.00		33000.00			2.80 64100.00				 	
Cobalt Copper	14,10 6,90 B 8,00	55,40  1060.00	1090.00 22.80 22400.00	1050.00	1110.00	1150.00  35400.00		 232.00	 29.50	  167.00	
lron Lead	12400.00	#### : ##	52100.00		1110.00		458.00 		29.50 	167.00	
Lead Magnesium Nickel	10.70 1800.00 7:10 B	 	71.40 19000.00 72.00	 <del></del>		113.00 41800.00 37.10		 	==		, <u>==</u>
Silver Sodium	0,64 U 31,40 B	<del></del>	72.80 2.80		:	37.10 1.10 B 131.00 B				 	######################################
Zinc Cyanide	35.50 0.57 U	823. <del>44</del> 4. 202	215.00 0.68			170.00 B 170.00	 0.89	1.50	 		
	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	та/Ка

NAME: So. California Chemical Co. ILD NUMBER 059483081		K	TABLE 3-3 EY SAMPLES Groundwater)		
SAMPLING POINT	G501		G102 5-4-94	G103	G502
PARAMETER	5-4-94 (Background)	5-4-94	5-4-94	5-4-94 (Duplicate)	5-4-94 (Duplicate)
VOLATILES					
Methylene Chloride	1,00 J ug/L	8:00 J ug/L	7.00 J ug/L	12.00 ug/L	1.00 ug/L
SEMIVOLATILES					
bis(2-Ethylhexyl)phthalate	2.00 UJ ug/L	3 00 J ug/L	ug/L	 ug/L	 ug/L
TENTATIVELY IDENTIFIED COMPOUNDS			2000 T100 T1 00 0 2000 E 10 1 000 E 1		[2] <b>#</b> 00017000077000000000000000000000000000
Disulfide, dimethyl	ug/L	ug/L	ug/L	8.0 N ug/L	ug/L
PESTICIDES				·	
INORGANICS					
Arsenic Calcium	2.00 U 59800.00	7,60 B 226000.00	5.90 B 	5.90 B 	 60000.00
Iron	269.00	10000,00	2930,00	1880.00	278.00
Magnesium	30600.00	119000.00	35500.00	35200.00	30600.00
Manganese		57.40	36.30	35.40	
Nickel Potassium	18.00 U	31.30 B 8340.00	 969.00 В	 811.00 В	<b></b>
Selenium	2.00 U	4.30 B		1.10 B	
Sodium	M. 5 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1	578000.00			27400.00
Thallium	2.00 ∪	0.90 B		1.10 B	
Zinc		10,60 B	3.30 B	4.10 B	
	ug/L	ug/L	ug/L	ug/L	ug/L

# TARGET COMPOUND LIST

# **Volatile Target Compounds**

1,2-Dichloropropane
cis-1,3-Dichloropropene
Trichloroethene
Dibromochloromethane
1,1,2-Trichloroethane
Benzene
trans-1,3-Dichloropropene
Bromoform
4-Methyl-2-pentanone
2-Hexanone
Tetrachloroethene
1,1,2,2-Tetrachloroethane
Toluene
Chlorobenzene
Ethylbenzene
Styrene
Xylenes (total)

# **Base/Neutral Target Compounds**

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl) Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis (2-Chloroisopropyl) Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene

2-Methylnaphthalene	Di-n-Butylphthalate
1,2,4-Trichlorobenzene	Fluoranthene
Isophorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3-3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Ideno(1,2,3-cd)Pyrene
Dimethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

### **Acid Target Compounds**

Benzoic Acid	2,4,6-Trichlorophenol	
Phenol	2,4,5-Trichlorophenol	
2-Chlorophenol	4-Chloro-3-methylphenol	
2-Nitrophenol	2,4-Dinitrophenol	
2-Methylphenol	2-Methyl-4,6-dinitrophenol	
2,4-Dimethylphenol	Pentachlorophenol	
4-Methylphenol	4-Nitrophenol	
2,4-Dichlorophenol		

### Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone	
beta-BHC	Endosulfan Sulfate	
delta-BHC	Methoxychlor	
gamma-BHC (Lindane)	alpha-Chlordane	
Heptachlor	gamma-Chlordane	
Aldrin	Toxaphene	
Heptachlor epoxide	Aroclor-1016	
Endosulfan I	Aroclor-1221	
4,4'-DDE	Aroclor-1232	
Dieldrin	Aroclor-1242	
Endrin.	Aroclor-1248	
4,4'-DDD	Aroclor-1254	
Endosulfan II	Aroclor-1260	
4,4'-DDT		

### **Inorganic Target Compounds**

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Cobolt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	

### **DATA QUALIFIERS**

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICS) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
С	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
В	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is reanalyzed at a higher dilution factor as in the "E" flag, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values are flagged with the "D" flag.	Not used.
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference.
Α	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
M	Not used.	Duplicate injection (a QC parameter not met).

<b>N</b> .	Not used	Spiked sample (a QC parameter not met).
S	Not used.	The reported value was determined by the Method of Standard Additions (MSA).
w	Not used.	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
•	Not used.	Duplicate analysis (a QC parameter not within control limits).
+ .	Not used.	Correlation coefficient for MSA (a QC parameter) is less than 0.995.
P	Not used.	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
CV	Not used.	Method qualifier indicates analysis by Cold Vapor AA.
AV	Not used.	Method qualifier indicates analysis by Automated Cold Vapor AA.
AS	Not used.	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
<b>T</b> .	Not used.	Method qualifier indicates Titrimetric analysis.
NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

### 4.0 IDENTIFICATION OF SOURCES

#### 4.1 INTRODUCTION

In this section the author will briefly discuss the various hazardous waste sources which have been identified in the initial stages of the CERCLA Integrated Site Assessment inspection. Information concerning the size, volume and waste composition of each source has been derived throughout the initial site assessment, reconnaissance visits, and the screening site sampling action. It should be pointed out, however, that the total number and nature of each of the sources identified below may be subject to change. The site may be redefined as it progresses through the CERCLA site investigation program and receives further investigation.

#### 4.2 AREA CONTAMINATED SOIL

Assessment inspection indicate that there are areas of contaminated soil in the Southern California Chemical Company dump area property. The samples were collected at depths ranging from two to three feet but the depth to which the contamination reaches is unknown. Using a planimeter and an aerial photograph obtained from the Illinois Department of Transportation the area within the contaminated sampling points was measured and estimated to be approximately 75,000 square feet. The volatile contaminant found was Xylene (2.0 ppb) and metals include Copper (1,100 ppm) and Chromium (55.4 ppm). The origin of the contamination is believed to have

come from runoff from the dump area since it is at a higher elevation and would drain into the area of contaminated soil. The runoff from the source would flow across Jefferson Street and end in the wetland. The source does not have any man-made containment features.

#### 4.3 DUMP AREA

Three soil samples were collected in the dump area located adjacent to the area used for manufacturing. These samples were collected at depths ranging from six inches to three and a half feet. Volatile contaminants include Tetrachloroethene (2.0 J ppb), Ethylbenzene (.6 J ppb) and Xylene (3.0 J ppb). Semivolatiles compounds include Isophorone (810.0 ppb), Phenanthrene (250.0 J ppb), Anthracene (32.0 J ppb), Di-n-Butylthalate (47.0 J ppb), Fluoranthene (320.0 J ppb), Pyrene (250.0 J ppb), Benzo(a)anthracene (150.0 J ppb), Chrysene (150.0 J ppb), bis(2-Ethylhexyl)phthalate (74.0 J ppb), Benzo(b)fluoranthene (150.0 J ppb), Benzo(k) fluoranthene (120.0 J ppb), Benzo(a)pyrene (120.0 J ppb), Indeno(1,2,3-cd)pyrene (94.0 J ppb) and Benzo(g,h,i)perylene (100.0 J ppb). Pesticides include Heptachlor (5.1 P ppb), 4,4'-DDE (6.1 ppb), Endrin (6.2 P ppb), 4,4'-DDD (9.1 ppb), 4,4'-DDT (6.8 P ppb), Endrin aldehyde (8.6 P ppb), Aroclor-1248 (120 ppb) and Aroclor-1254 (240 P ppb). Inorganic substances detected include Berylium (3.4 ppm), Cadmium (2.8 ppm), Chromium (1150.0 ppm), Cobalt (22.8 ppm), Copper (35,400.0 ppm), Lead (113.0 ppm),

Magnesium (41,600.0 ppm), Nickel (72.0 ppm), Zinc (215.0 ppm) and Cyanide (215.0 ppm). The origin of the source is dumping and burying of printed circuit boards an possibly other materials or substances. The source contains approximately 52,500 square feet and does not have any natural or man-made containment features.

### 4.5 POTENTIAL UNDETECTED SOURCES

Illinois Environmental Protection Agency files do not document the illegal dumping or burying of hazardous materials at the Southern California Chemical Company Dump Area site. However the potential exists that burying of hazardous materials or unreported spills may have occurred prior to or during the years the facility was in operation.

#### 5.0 MIGRATION PATHWAYS

#### 5.1 INTRODUCTION

The CERCLA Integrated Site Assessment program identifies three migration pathways and one exposure pathway by which hazardous substances may pose a threat to human health and/or the environment. Consequently, sites are evaluated on their known or potential impact to these four pathways. The pathways evaluated are groundwater migration, surface water migration, soil exposure, and air migration.

This section presents and discusses information collected during the CERCLA Integrated Site Assessment inspection of Southern California Chemical Company. This information, together with information documented in other sources, will be utilized in analyzing the site's impact on the four pathways and the various human and environmental targets within the established target distance limits.

Discussions of the pathways will include pathway descriptions, contaminant sources, and targets, such as human populations, fisheries, endangered species, wetlands and other sensitive environments.

#### 5.2 GROUNDWATER

Groundwater samples were collected from two monitoring and one municipal wells. The results from the two monitoring wells indicate an observed release to groundwater that is attributable to the site. The compounds found three times

background or above detection limits are shown in the Key Sample Table 3-4 (Groundwater). Sampling location G501 represents the background well. There are two duplicate samples that were collected, G102/G103 and G501/G502. This was necessary since the monitoring well and municipal (drinking water) samples were sent to different laboratories.

There are three monitoring wells on the Southern

California Chemical Company site that were installed by Dames

& Moore in August, 1992. Groundwater elevations obtained from
eight piezometers installed by Dames & Moore in August, 1988
suggest that the general groundwater flow is towards the
northwest. The nearest residence known to use groundwater for
drinking is located (b) (9)

and the
nearest municipal well is Union Well Number 4 which is a 760
feet deep well cased to 133 feet located (b) (9)

Well Number 2 is a 192 feet deep well
that is cased to 150 feet and located (b) (9)

Groundwater is widely used in the area. The village of Union (population 622) obtains all its drinking water from 2 active wells which pump from 2 different locations throughout the village. These wells supply approximately 53,000 gallons of water per day to 200 services. The geology of the area around the Southern California Chemical Company site consists of glacial drift which may be up to 145 feet thick overlying Ordovician bedrock. The Ordovician bedrock is composed of the Maquoketa Formation, which is a shale with

interbeded dolomite, overlying the Galena Platville Dolomite which is underlain by the St. Peter Sandstone. Groundwater is obtained locally from both the glacial and sandstone aquifers. The number of people who use groundwater in a 4-mile radius of the site was estimated using USGS topographic maps and the average persons per household in McHenry County. The estimated population is:

<u>Distance (miles)</u>	<u>Population</u>
0 to 1/4	6
>1/4 to 1/2	625
>1/2 to 1	41
>1 to 2	294
>2 to 3	434
>3 to 4	3,774

#### 5.3 SURFACE WATER

No surface water samples were collected during the May 4 and 5, 1994 Integrated Site Assessment inspection of the Southern California Chemical Company site. The property is flat with no noticeable overland flow route to surface water and drainage from the site would flow north across Jefferson Street into a wetland area. The wetland has no outlet and any standing water would eventually evaporate and/or soak into the soil. The wetland is not considered to be perennial since it only contains water on a temporary basis. The 15-mile surface water route was not evaluated

since there is no known Probable Point of Entry of runoff from the site into surface water.

#### 5.4 AIR PATHWAY

No documented releases to the air were observed in the breathing zone during the CERCLA Integrated Site Assessment inspection while samples were being collected. HNU photo-ionization detector readings with a 11.7 eV lamp were taken during sample collection but no readings above background were observed. The potential for the wind to carry contaminants off-site is possible since contaminants were found in the top six inches of soil onsite.

The Southern California Chemical Company facility property is currently vacant and security consists of locked gates and doors. The site does have a custodian during the day and contains fencing around the site. The dump area is fenced along the west and north sides but access can be gained via the east and south sides. The property is located in the southeastern edge of Union and has commercial businesses to the north and northeasteast across Jefferson Street and private residences lie west. Evergreen Park School is located northwest across Jefferson Street. No schools or daycare facilities are located within 200 feet of any contaminated areas. There are aproximately 4,887 people who live within a four mile radius of the site. The estimated population potential for release in a 4-mile radius of the site is:

<u>Distance (miles)</u>	<u>Population</u>
Onsite	1 .
0 to 1/4	68
>1/4 to 1/2	127
>1/2 to 1	476
>1 to 2	294
>2 to 3	434
>3 to 4	3,487

### 5.5 SOIL EXPOSURE PATHWAY

Soil samples taken during the Integrated Site Assessment inspection document areas of observed contamination by contaminants that are attributable to the site. The dump area is readily accessible from the east and south sides to trespassers. During the inspection tire tracks from All Terrain Vehicles were seen in the wetland area in the dump area. The nearest individual (residence) is located approximately 800 feet west and the nearest school, Evergreen Park School, is located north of the site directly across Jefferson Street. A review of USGS topographic maps, city maps and U.S. Census data indicate that approximately 673 people live within a one-mile radius of the site. The estimated population within one mile of the site is:

<u>Distance (miles)</u>	<u>Population</u>
Onsite	1
0 to 1/4	68

>1/4 to 1/2	127
>1/2 to 1	476

According to the Illinois Department of Conservation there are no terrestrial sensitive environments near the Southern California Chemical Company site. Wetland Inventory Maps indicate there are 7 acres of wetlands within a half mile radius of the site.

#### 6.0 BIBLIOGRAPHY

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- United States Department of the Interior, National Wetlands Inventory Maps for Marengo South, IL. Quadrangles, 7.5 Minute Series.
- Flood Insurance Rate Map, August 15, 1983 for the village of Union, Ill. Federal Emergency Management Agency.
- USGS, 1975, Marengo North, IL. Quadrangle, 7.5 Minute Series.
- USGS, 1981, Woodstock, IL. Quadrangle, 7.5 Minute Series.
- USGS, 1975, Marengo South, IL. Quadrangle, 7.5 Minute Series.
- USGS, 1972, Huntley, IL. Quadrangle, 7.5 Minute Series.
- IEPA Site Reconnaissance Visit of March 30, 1994 to Southern California Chemical Company, Union, Il.

# APPENDIX A SITE 4-MILE RADIUS MAP

SOUTHERN CALIFORNIA CHEMICAL COMPANY

# **SDMS US EPA Region V**

Imagery Insert Form

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4-MILE RADIUS MAP
Other:

# APPENDIX B SURFACE WATER ROUTE MAP

# **SDMS US EPA Region V**

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	15-MILE SURFACE WATER MAP
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# APPENDIX C

# U.S. EPA FORM 2070-13



# Site Inspection Report

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT LET 1 - RITE LOCATION AND INSPECTION INFORMATION

LIDENTIFICATION

01 STATE 02 SITE MARKER

TL TLD 059483081

<b>\</b>	PART 1 - SITI	ELOCATION AND	INSPE	CTION INFORM	ATION		
H. SITE NAME AND LOCATI					· · · · · · · · · · · · · · · · · · ·		
DI SITE HAME AND DESCRIPTION OF STREET			02 STREET, NOUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
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UNION		10 TYPE OF OWNERS	250	160180	MCHERRY	1981 12	
92 13 55.2	088 32 04.8	A. PRIVATE	0 8. FE	DERAL	G. STATE G.D. COUNTY		
IL INSPECTION INFORMA							
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5,4,94 WONTH DAY TEAM	ACTIVE SKNACTIVE	(	972	1 1988 AA ENDINGYEA	UNKHOWN		
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E. STATE DE F. STATE C	ONTRACTOR	Lame of femy	. D G.C	THER	(Specify)		
05 CHIEF INSPECTOR		GO TITLE			07 ORGANIZATION	08 TELEPHONE NO	
ROBERT CAS	SPER	EPS			IEPA	12171 782-6761	
DO OTHER INSPECTORS		10 TITLE	,		11 ORGANIZATION	12 TELEPHONE NO.	
PETER SORE	NSEN	EPS			IEPA	12-6761	
MARK WEB	ER	EPS			IEPA	1217) 782-6761	
GREG SPEN	ICER	EPS			TEPA	(217) 782-676	
						( ')	
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13 SITE REPRESENTATIVES INTE	RVEWED	14 TITLE ENVIRONMEN	UTAL	15ADORESS		18 TELEPHONE NO	
STEVE SALISBU	ry	MANAGER	PHTY	10 INDUSTRY	Y AUE JULIET, IL	1815) 727-3010	
RON SHACKL	ÈĿ	CUSTOBIAN	,	17415 E.	JEFFERSON STREE	7 ( )	
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ROBERT C	ASPER	IEPA	B	OL /RPMS	217-782-6761	8 ,24,94 WONTH DAY TEAR	

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

	<b>IFICATION</b>	
O1 STATE	02 SITE HUMBER	_
アレ	240 059 4830	81

PHYSICAL ST	ATES (Check of the sale)	02 WASTE QUANTI		OJ WASTE CHARACTE	RISTICS (Check at Per a	marks)	
D o other	FRES C F LIQUID C G G GAS			XA TOXIC C B CORROS C C RADION JXO. PERSIST	TIME DO FLAM	THOUS C J EXPLOSE	VE /E ATIBLE
L WASTE TO	PE	<del></del>					
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OLW	OILY WASTE						
SOL	SOLVENTS		UNKOWN	<u>-</u>	,		
PSO	PESTICIDES		UNHLOWN		`		
осс 	OTHER ORGANIC C	HEMICALS	UNHOUN	_	SEMIVOLAT	TILE-S	
юc	INORGANIC CHEMIC	ALS	UNKNOWN	-	CYANIDE		
ACD	ACIDS			· ·			
BAS	BASES						
MES	HEAVY METALS		UNHNOWN				
. HAZARD	OUS SUBSTANCES		ey cated CAS Mumbersu				
CATEGORY	02 SUBSTANCE	WE	03 CAS NUMBER	04 STORAGE DIS	POSAL METHOD	05 CONCENTRATION	OR WEASURE OF
OL	TETRACHLORO ETH	IENE		SOIL		25	086
SOL	XYLENE (TUTAL	<u>&gt;</u>	<u> </u>	SUIL		35	PPB
occ	ISOPHORONE			5016		810	PPb
OCC	PHENANTHREM	E		501L	·	250 5	PPB
occ	FLUORANTHE	UE		SOIL		320 J	PPB
ادد	PYREME		<u> </u>	SOIL		250 J	PPB
مدد	CHRYSENE		ļ	SOIL		150 J	PPb
occ	BENZU(b) FLUO		<u> </u>	SOIL		150 J	PPb
occ	BENZO (a) PY	RENE		SOIL		120 5	SPB
PSO	ARUCKOR -120		,	SOIL		120	PPb
PSD	ARUCIOR -1.	254		SOIL		240 P	PPB
MES	CHROMIUM		<u> </u>	SOIL		1150	PPM
MES	COPPER		<u> </u>	SOIL		35400	ppm
MES	LEGO	<del></del>	ļ	SOIL		215	PPM
100	CYANIDE		<u> </u>	SOIL	· · · · · · · · · · · · · · · · · · ·	3	Pam
MES	ZINC		<u> </u>	SOIL	<del></del>	215	PPM
. FEEDST	OCKS (See Assures to CAS Me	nderty.	<del></del>	<del></del>			
CATEGOR	01 FEEDSTO	CX NAME	02 CAS NUMBER	CATEGORY	O1 FEEDS	TOCK NAME	OZ CAS MANDE
FDS			<u> </u>	FDS	<u></u>		
FDS		·	1	FDS			
FDS				FDS			
FDS			1	FDS	1		
/L SOURCE	S OF INFORMATION C	TO apocate roloroness o		s (900/16)			

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

	<b>TENCATION</b>
	92 SITE MUNICIPA
IL	ILD 059 483 081

PART 1 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS EL HAZARDOUS CONDITIONS AND INCIDENTS 02 O OBSERVED (DATE 5-4-94) O POTENTIAL 01 A GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 5174 04 NARRATIVE DESCRIPTION ALL AREA DRINKING WATER IS OBTAINED FROM GROUNDWATER MONITUR WELL SAMPLES COLLECTED ON 5-4-94 INDICATE LOW LEVELS OF METHYLENE CHLORIDE, bis (2-ETHYLHEXYL) PHTHALATE AND METALS ARE PRESENT. 02 COBSERVED (DATE. . 01 C B SURFACE WATER CONTAMINATION C POTENTIAL C ALLEGED 03 POPULATION POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION NONE 02 C OBSERVED (DATE. 01 C CONTAMINATION OF AIR ☐ POTENTIAL C. ALLEGED 03 POPULATION POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION NONE 01 C D FIRE EXPLOSIVE CONDITIONS 02 G OBSERVED IDATE C POTENTIAL C ALLEGED 03 POPULATION POTENTIALLY AFFECTED. \_ 04 NARRATIVE DESCRIPTION NONE 01 E DIRECT CONTACT 02 COBSERVED IDATE 5-U-9U - POTENTIAL ALLEGED 03 POPULATION POTENTIALLY AFFECTED 4 886 04 NARRATIVE DESCRIPTION SUIL SAMPLES INDICATE SEMINOLATILES, NOLATILES, PESTICIDES AND IMPROANIC SUBSTANCES ARE PRESENT IN THE DUMP AREA AT A PETTH OF 6-8 INCHES. 02 OBSERVED (DATE 5-4-74) 01 DEF CONTAMINATION OF SOIL C POTENTIAL 03 AREA POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION SOIL IN THE DUMP AREA WAS FOUND TO CONTAIN VOLATILES, SEMINIATILE PEST ICIDES TENTATIVELY IDENTIFIED COMPUUNDS AND INDREANIC CONTAMINANTS 01 PG DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED 5/74 02 C OBSERVED (DATE & POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION ALL DRINKING WATER IN THE AREA IS ORTHINED FROM GROUNDLISTER 01 PH WORKER EXPOSURE THURY 03 WORKERS POTENTIALLY AFFECTED 02 C OBSERVED IDATE POTENTIAL. () ALLEGED 04 NARRATIVE DESCRIPTION IS CLOSED AND MAS ONE CUSTODIAN ONSITE. SITE 01 C | POPULATION EXPOSURE/INJURY 02 DOBSERVED (DATE O POTENTIAL O ALLEGED 03 POPULATION POTENTIALLY AFFECTED 04 NARRATIVE DESCRIPTION

NONE

**\$EPA** 

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L IDENTIFICATION

OI STATE OF SITE HAMEN

TLD 059483081

IL HAZARDOUS CONDITIONS AND INCIDENTS (Comment)			
01 & DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE)	A POTENTIAL	C ALLEGED
PORTIONS OF THE PROPERTY	AND DRAINAGE OFFSITE	15 CLASS	//=/ED
AS A WETLAND PROPERTY	HAS BARE GROUND AREAS.		
01   K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include numbers) of species)	02 C OBSERVED (DATE)	C POTENTIAL	C ALLEGED
NONE -	·		
01 C CONTAMNATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 C OBSERVED (DATE)	☐ POTENTIAL	C ALLEGED
NONE			
01 C M UNSTABLE CONTAINMENT OF WASTES	02 C OBSERVED (DATE1	C POTENTIAL	C ALLEGED
03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION		
NONE			
01 2 N DAMAGE TO OFFSITE PROPERTY	02 C OBSERVED (DATE)	POTENTIAL	C ALLEGED
ON NARRATIVE DESCRIPTION  WETLAND AREA THAT DRA	INC THE PROPERTY HAD	ELEVATED	LEVELO
OF COPPER.		•	
01 C O CONTAMINATION OF SEWERS, STORM DRAINS, W 04 NARRATIVE DESCRIPTION  NOME	WTPs 02 I OBSERVED (DATE)	C POTENTIAL	I ALLEGED
01 C.P. ELEGAL-UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 C OBSERVED (DATE:)	S POTENTIAL	S ALLEGED
NONE			
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR	ALLEGED HAZAROS		<del></del>
NONE		•	
ML TOTAL POPULATION POTENTIALLY AFFECTED:	5174		<del></del>
IV. COMMENTS			
		٠	
Y. SOURCES OF INFORMATION (Can specific information of a little of the control of	raio fees samme energies recents;		
SITE RECON VISIT SITE INSPECTION OF 5-4+	5-94		
SITE INSPECTION OF 3 40	- /		

	78
	74
	•

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION

L IDENT	FICATION
	02 STE MARCH TLD 059 483 08/

ALIA	PART 4 - PERMI	T AND DESCRI	PTIVE INFORMAT	ION I	EL ZLD 059 483 08
PERMIT INFORMATION			<del></del>		<del> </del>
TYPE OF PERMIT ISSUED	02 PERMIT NUMBER	OJ DATE BISUED	04 EXPRATION DATE	05 COMMENTS	,
A MPDES			<u>i                                     </u>		
3. UIC					
C. AR					
D. RCRA					
E RORA INTERIM STATUS		·			
OF SPCCPLAN					
C. G. STATE (Spende)			<u> </u>		
CH. LOCAL SOCONI			<u> </u>	<u> </u>	
I. OTHER/Specify					· · · · · · · · · · · · · · · · · · ·
DYJ. NONE			<u> </u>	UNDERGOIA	16 RCRA CLOSURE
. SITE DESCRIPTION					
STORAGE:DISPOSAL (Check at their sport)	02 AMOUNT 33 UNIT	OF MEASURE 04	TREATMENT (Check at her	EDD'Y)	05 OTH€R
C A SURFACE IMPOUNDMENT		\ 0 /	. INCENERATION		C + DIE CONCENTE
R'S PILES	UNKADWN	🗆 8	3. UNDERGROUND IN.	ECTION	A BUILDINGS ON SITE
C. DRUMS, ABOVE GROUND		l	C. CHEMICAL/PHYSIC	AL.	
D. TANK, ABOVE GROUND		t _	D. BIOLOGICAL		44 104 04 44
☐ E. TANK, BELOW GROUND ☐ F LANDFILL			E. WASTE OIL PROCES		OB AREA OF SITE
C G LANDFARM		I _	SOLVENT RECOVER	•	1 5
☐ H:OPEN DUMP		1	3. OTHER RECYCLING	PRECOVERY	
C I OTHER			H. OTHER	HOP)	
COMMENTS STOTE HAS BEEN	CLOSED SINC	E 1988.	DUMP ARE	A IS NO	Y OUNED BY
SOUTHERN CALIF	EORNIA CHEM	ical Co.			
V. CONTAINMENT					
1 CONTARMENT OF WASTES (Diese pre)					
A. ADEQUATE, SECURE	☐ B. MODERATE	E C. INADE	QUATE, POOR	O. INSECU	IRE, UNSOUND, DANGEROUS
2 DESCRIPTION OF DRUMS, DIKING, LINES					
LAND FILL AREA		OF DIRT	MAMD E	iposed E	LECTRONIC
PRINTED CIRCU	IT BOARDS_				
V. ACCESSIBILITY					
01 WASTE EASILY ACCESSIBLE. 2					
SITE IS NOT F	ENCED ON TH	E EAST	OR SOUTH	1 SIDES.	
VI. SOURCES OF INFORMATION	Lie specific referencese is gligger mas	tendre snakter (spent)			
IEPA FILES					
SITE RECOW	•				
SITE INSPECTI	UN OF 5-4-	94			•

	WICATION	
	OZ SITE NUMBER	
エL	ILD 059	48308

<b>\$EPA</b>	SITE INSPECTION REPORT  PART 8 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA  OI STATE OF STE NAMER  IL ILD 059 4830						
IL DRINKING WATER SUPPLY							
01 TYPE OF OFBIORIO SUPPLY (Cheef or quadratific		OZ STATUS				03 DISTANCE TO	SITE
SURFACE	WELL	ENDANGERE	D AFFEC	TED N	MONITORED		
COMMUNITY A. []	8.02	A A	8. C	3	C. 🗆	1 100	(mi)
NON-COMMUNITY C. C.	0.27	0.20	E. C	]	F. 0	B	Z_(m0)
IIL GROUNDWATER							
01 GROUNDWATER USE IN VICINITY (CHARLE	970)					,	
A ONLY SOURCE FOR DRINKING	© 8. DRINKING (Other sources available COMMERCIAL, INC (No other water source)	OUSTRIAL, PRRIGATION	~~	MAKE ROLL	NOUSTRIAL PARICA	TION 0. NOT USE	D, UNUSEABLE
02 POPULATION SERVED BY GROUND WA	S174		03 DISTANCE	TO NEARES	RETAW, DIRENG TA	WELL - 17	(mi)
04 DEPTH TO GROUNDWATER	05 DIRECTION OF GRO	UNDWATER FLOW	06 DEPTH TO OF CONCE		OF POTENTAL YIE	LD 06 90LE 90	URCE AQUIFER
20	NORTH	WEST	20	_	OF AGUFER	_ (000) UYE	S DENO
OR DESCRIPTION OF WELLS INCLUDE WITH A POLICY OF LL 2 - UNION WELL Y - RESIDENTIAL WELLS	760 DEEP USIA	UG SANDSTUR	T A BED	ER, L. ROCK,	OCATED (b)	(9)	
10 RECHARGE AREA			11 DISCHARG				}
☐ YES   COMMENTS			☐ YES	COMMEN	13		·
IV. SURFACE WATER		<del> </del>	ئـــــــــــــــــــــــــــــــــــــ			<del></del>	
01 SURFACE WATER USE (Chock one)  C. A. RESERVOIR, RECREATION DRINKING WATER SOURCE		M. ECONOMICALL NT RESOURCES	Y ⊆ <b>c</b> . c	OMMERCI	AL, INDUSTRIAL	<b>X</b> O NOTCUR	RENTLY USED
02 AFECTED POTENTIALLY AFFECTED	BODIES OF WATER				<del></del>		
NAME.					AFFECTE	D DISTANCE	E TO SITE
NONE							
	· · · · · · · · · · · · · · · · · · ·	<del></del>	<del></del>		=		(m)
						<del></del>	(FV)
V. DEMOGRAPHIC AND PROPER	TY WENDMATION						,,
01 TOTAL POPULATION WITHIN	III III VAMAIIVA			Ta	2 DISTANCE TO ME	VIEST POPULATION	
	TWO (2) MILES OF SITE  B. 966  NO OF PERSONS		(3) MILES OF	SITE			))
03 NUMBER OF BUILDINGS WITHIN TWO	(2) MILES OF SITE		04 DISTANC	E TO NEARE	ST OFF-SITE BUILDS	NG	<del></del>
	· ·					02 (m)	
OS POPULATION WITHIN VICINITY OF SIT	E (Provide nameline description)	of natural of population with	-	, ~ o -dece			
VILLAGE OF UNI	ON LIES	WEST WI	TH 517	EBE	ING LOCA	STED ON T	
OF TOWN LIMIT							
WITH FARMLAN	B SURRUUI	upine s	17E 01	w EA	M7 2 300	CIA ZINES	

# APPENDIX C

## U.S. EPA FORM 2070-13

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# Site Inspection Report

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE I OCATION AND INSPECTION INFORMATION

L IDENTIFICATION

01 STATE 02 SITE NAMER

TL TLD 059483 081

	PART 1 - SITE	LOCATION AND	INSPE	CTION INFORM	ATION	21003448308/	
H. SITE NAME AND LOCATI							
OI SITE HANG Aspet secures or second	College Agents of Milks		02 STREET, ROUTE NO., OR SPECIFIC LOCATION DENTIFIER				
. S. CALIFORM	VIA CHEMICAL	<u> </u>			JEFFERSON	STREET	
क्षा कि क				05 ZP COOE		OTCOUNTY OF CONG CODE DEST	
UNION			11	60180	MCHERRY	111/12	
OR COORDINATES	LONGITUDE	TO TYPE OF OWNERSH	Provoce a	DERAL	C C STATE D D. COUNT	Y D S MINOCEN	
421355.2	288 32 04.8	F. OTHER -			- G. UNKNO	WN	
M. INSPECTION INFORMAT	O2 SITE STATUS	03 YEARS OF OPERAT	~~				
• • • • • • • • • • • • • • • • • • • •	□ ACTIVE			1 1988	UNKNOWA		
5,4,94 WONTH DAY YEAR	<b>ENACTIVE</b>	{	NAMAG YE				
04 AGENCY PERFORMING INSPEC					• 1		
🗆 A, EPA 🗀 B, EPA CON	.,,	turns of firms			IUNICIPAL CONTRACTOR _	(Name of Brig)	
E STATE DE F. STATE CO	ONTRACTOR	are of ferry	U G. C	THER	Specify		
05 CHIEF INSPECTOR		CO TITLE			07 ORGANIZATION	08 TELEPHONE NO	
ROBERT CAS	PER	EP5	<u> </u>		IEPA	1217) 782-6761	
OR OTHER INSPECTORS		10 TILE		<del></del>	11 ORGANIZATION	12 TELEPHONE NO.	
PETER SORE	NSEN	EPS		<del></del>	I EPA	1217) 782-6761	
	- <b>^</b> ·	700				125	
MARK WEBI	er	EPS			IEPA	12171 782-6761	
C0=1 C0=1	<i>(C</i> = 0					1217 700-606	
GREG SPEN		EPS		<del></del>	IEPA	12171 782-6761	
į		į				1, ,	
		<del></del>		·····		( )	
13 SITE REPRESENTATIVES INTE	DVE WED	14 TITLE		15ADORESS		18 TELEPHONE NO	
1		PNVIRONMEN	TAL Ent V			1,	
STEVE SALISBU	ky	HEALTH + SA MANAGER			AUE, JULIET, IL		
Rose Chantel	Cr				JEFFERSON STREE	T ( )	
ROW SHACKLE	<u> </u>	CUSTOBIAN	, 	UNION,	FL	<u> </u>	
					:	( )	
					<del></del>		
						( )	
<b></b>				<del> </del>			
	•			1		( )	
				·		<del></del>	
		Ì		ł		( )	
	<del></del>			<del> </del>	<del></del>		
	• •	1		}			
	18 TIME OF REPECTION	19 WEATHER CON	опонв	1	<del></del>		
JE PERMISSION	9-11- 0-1	5006	_			•	
O WARRANT	9:45 AM	130 7	501	INY, SLIGI	HT BREEZE		
IV. INFORMATION AVAIL.	ARLE PHOM	02 OF :Agency Orga			<del></del>	O3 TELEPHONE NO	
Jul Cominaci						OT TELEPHONE NO	
	ACTE BUEDE CTION COMM	104.405122	···•				
04 PERSON RESPONSIBLE FOR	COLE POPEU ION POPEI	06 AGENCY	- 1	AGANZATION	07 TELEPHONE NO.	OB DATE	
ROBERT C.	ASPER	TEPA	B	OL /RPMS	217-782-6761	8 ,24,94 WONTH DAY YEAR	

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

LIDENTIFICATION

01 STATE 02 SITE NAMER

TU 740 059 483 081

			STICS				
DE SLUMMY			XA TOXIC □ € SOLU		RBLE OF HIGHLY VOLATILE CTIOUS OF EXPLOSIVE MAJBLE OF REACTIVE		
WASTE TY	PE						
VRODSTA	SUBSTANCE N	MME	01 GROSS AMOUNT	02 UNIT OF MEASURE	93 COMMENTS		· · · · · · · · · · · · · · · · · · ·
SLU	SLUDGE						
OLW	OILY WASTE					<del></del>	***********
sa	SOLVENTS		UNKOWN	<u></u>			
PSO	PESTICIDES		UNHNOWN		,		
occ	OTHER ORGANIC C	HEMICALS	UPKHEUN		SEMI VOLAT	· /L &S	
юс	INORGANIC CHEMIC	ALS	UNKNUN	_	CYARIDE		
ACD	ACIDS						
BAS	BASES					·	
MES	HEAVY METALS		UNHAOWA				
, HAZARDO	OUS SUBSTANCES	CONTRACT OF SERVICE	why called CAS Mumbers!				
CATEGORY	02 SUBSTANCE	WE	03 CAS NUMBER	04 STORAGE-DISPOSAL METHOD		05 CONCENTRATION	OB MEASURE O
OL	TETRACHLORO ETH	IENE	·	SOIL		25	086
SOL	XYLENE (TUTAL	<u>&gt;</u>		SUIL		35	PPB
000	ISOPHORONE		<u> </u>	SOIL		810	PPb
occ	PHENANTHREN	E	<u> </u>	501L		250 5	PPB
occ	FLUOR ANTHE	UE		SOIL		320 J	PPB
occ	PYREME		<u> </u>	SOIL		250 5	PPB
<i>مدد</i>	CHRYSENE		<del></del>	SOIL		150 J	PPb
occ.	BENZU(b) FLUC			SOIL		150 J	PPb
occ	BENZO (a) P)	RENE	<del></del>	5016		120 5	PPh
PS O	ARUCKOR -120			Soil		120	PPb
PSD	ARUCIOR -1.	254	<del></del>	SOIL		240 P	PPB
MES	CHROMIUM			SOIL		1/50	PPM
MES	COPPER		<del></del>	SOIL	<del></del>	35400	PPM
MES	LEAD	·		SOIL	· · · · · · · · · · · · · · · · · · ·	215	PPM
100	CYANIDE		<del>_</del>	SOIL	<u></u> .	3	Pan
MES	ZINC			SOIL		215	PPM
V. FEEDSTO	XX8 /5m mmm = CAS No.	-					
CATEGORY	01 FEEDSTO	CK NAME	02 CAS NUMBER	R CATEGORY 01 FEEDST		TOCK HAME	02 CAS MUMBI
FDS				FDS			
FDS				FDS			
FDS				FOS			
FDS	FDS			FOS			
	A OF INFORMATION		g 318/0 705 Sample anany				

# **\$EPA**

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

	FICATION				
O1 STATE	02 SITE MUMBER				
IL	ILD 059 483 081				

& HAZARDOUS CONDITIONS AND INCIDENTS	<del></del>		
	02 C OBSERVED (DATE _5-4-94_)	O POTENTIAL	ALLEGED
OS POPULATION POTENTIALLY AFFECTED: 3/77	04 NARRATIVE DESCRIPTION		•
ALL ADEA COLNEING WATER IS	OBTAINED FROM GROUND	WATER P	MONITUR
TO COMPLET COLLECTED ON	5-4-94 INDICATE LOW LE	VELS OF METT	4YLENE
CHLORIDE, bis (2-ETHYLHEXYL) PHTHO	LATE AND METALS ARE PRESENT	- ·	
01 C B SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED	02 G OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	G POTENTIAL	C ALLEGED
MONE			
	•		
01   C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED	02 © OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	O POTENTIAL	C ALLEGED
NONE			
01 © 0 FIRE-EXPLOSIVE CONOTIONS 03 POPULATION POTENTIALLY AFFECTED.	02 (1) OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	C POTENTIAL	C ALLEGED
port			
01 X E DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED 4, 886		C POTENTIAL	ALLEGED
SOIL SAMPLES INDICATE SENIUL	•		- IC S UPSTANCE
01 DEF CONTAMINATION OF SOIL 5	02 DOBSERVED (DATE 5-4-74) 04 NARRATIVE DESCRIPTION	C POTENTIAL	DALLEGED
SUIL IN THE DUMP AREA WAS  PEST ICIDES TENTATIVELY IDENT	FUUND TO CONTAIN VOLATIFIED COMPUUNDS AND INC	TILES, SEMIL IRGARIC CO	NLATIBE WIAMINANTS.
01 PO DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED 5/74	02 G OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	& POTENTIAL	C ALLEGED
ALL DRINKING WATER IN TH	E AREA IS OBTAINED FROM	1 GROUNSU	INTER
01 FO'M WORKER EXPOSURE INJURY 03 WORKERS POTENTIALLY AFFECTED	02 □ OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	D-POTENTIAL	□ ALLEGED
SITE IS CLOSED AND HAS	ONE CUSTODIAN ONSITE	-	
01 CT POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED	02 □ OBSERVED (DATE) 04 NARRATIVE DESCRIPTION	[] POTENTIAL	O ALLEGED
NONE			

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT T 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L DENTIFICATION

01 STATE 02 SITE NAMES

TLD 059483081

L HAZARDOUS CONDITIONS AND INCIDENTS			7,0308/
01 & DAMAGE TO FLORA	02 OBSERVED (DATE)	A POTENTIAL	CALLEGE
NAME ATIVE DESCRIPTION			C ALLEGED
PORTIONS OF THE BRUPERTY		is coass	1 /=1ED
AS A WETLAND. PROPERTY	HAS BARE GROUND AREAS.		
DE C. DAMAGE TO FAUNA  MA NARRATIVE DESCRIPTION (PECAND AGRICAL) OF EGOCIESE	02 C OBSERVED (DATE)	C POTENTIAL	C ALLEGED
NOWE -			
DI CONTAMINATION OF FOOD CHAIN NARRATIVE DESCRIPTION	02 C OBSERVED (DATE)	C) POTENTIAL	C ALLEGED
NONE			
D1 C M UNSTABLE CONTAINMENT OF WASTES	02 C OBSERVED (DATE)	S POTENTIAL	C ALLEGED
3 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION		
None			
DI XN DAMAGE TO OFFSITE PROPERTY	02 C OBSERVED (DATE:)	POTENTIAL	C ALLEGED
WETLAND AREA THAT DRA	INS THE PROPERTY HAD	ELEVATED	LEVELS
OF COPPER.			
D1 C O CONTAMINATION OF SEWERS, STORM DRAINS W D4 NARRATIVE DESCRIPTION	WTPs 02 CBSERVED (DATE)	☐ POTENTIAL	I ALLEGED
NONE	•		
01 C P ILLEGAL UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 COBSERVED (DATE)	3 POTENTIAL	3 ALLEGED
NONE	•		·
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR	ALLEGED HAZARDS		
NONE	·		
M. TOTAL POPULATION POTENTIALLY AFFECTED:	5174		
IV. COMMENTS			
•			
W AGUIDOSE OF INFORMATION			
V. SOURCES OF INFORMATION (Can appear represented to a se	IALE FAIRE SAPPORE ANALYSIS FRANCES	<del></del>	
SITE RECOW UISIT	r _ a. /		
SITE INSPECTION OF 5-4+	s -77		

47	M

# POTENTIAL HAZARDOUS WASTE SITE

-	L IDENTIFICATION					
1	STATE 10	OZ SITE MANGEN				
į	エレ	ILD 059 483 081				

<b>VEFA</b>		T AND DES	CRIPTIVE INFORMA	TION	IL 1210059483081
IL PERMIT INFORMATION					
O1 TYPE OF PERMIT ISSUED	02 PERMIT NUMBER	D DATE E	SUED OF EXPRATION DAT	E 05 COMMENTS	
CA NPOES					
□ 8. UIC					
C C AIR					
O D. RCRA					
CE RCRAINTERIM STATUS					
CF SPCCPLAN					
C. G. STATE SOME	<del></del>	<del></del>			
CH. LOCAL SOCONI				<del></del>	
DI. OTHER/Southy)					· .
BYJ NONE	<u> </u>			UNDERGOIL	ng ACRA CLOSURE
III. SITE DESCRIPTION	22 11/2/11/2				<del></del>
01 STORAGE:DISPOSAL (Crock at their sport)	02 AMOUNT 03 UNIT 0	OF MEASURE	04 TREATMENT (Check at the	# <b>4</b> 00/y)	05 OTHER
. C. A. SURFACE IMPOUNDMENT	UNKAOWN		A. INCENERATION		C A BUILDINGS ON SITE
DE PILES	<u> </u>		B. UNDERGROUND		
© D TANK, ABOVE GROUND		<del></del>	C D. BIOLOGICAL	CAL	1
E. TANK, BELOW GROUND			B E WASTE OIL PROCE	FESSMA	OR AREA OF SITE
C F. LANOFILL		<u> </u>	D F SOLVENT RECOVE		
C & LANDFARM			G G. OTHER RECYCLA		
C H OPEN DUMP		·	C H OTHER		·
☐ I. OTHER	····		·	Spariety)	
07 COMMENTS	· · · · · · · · · · · · · · · · · · ·		<u> </u>	·	<del></del>
SITE HAS BEEN	CLOSED SINCE	E 198	8. DUMP AR	EA IS N	or owned by
SOUTHERN CALIF	ORNIA CHEMI	(1)	Za		
300) 1702 - 31,011	or an open.		•		
i ·					
		·	<del></del>		·
IV. CONTAINMENT	<del></del>	<del></del>			
A. ADEQUATE, SECURE	D B. MODERATE	<b>)</b> ≰ c. i	NADEQUATE, POOR	O D. INSEC	URE, UNSOUND, DANGEROUS
02 DESCRIPTION OF DRUMS, DIKING, LINERS	I. BANNERS, ETC.		<del></del>		
LAND FILL AREA	LIAC PITES	OF D	IRT AND B	EXPOSED E	ELECTRONIC
				•	
PRINTED CIRCUI	1 BUARUS_		,		
l ·					•
V. ACCESSIBILITY	· · · · · · · · · · · · · · · · · · ·				<del></del>
OI WASTE EASILY ACCESSIBLE	res () no				<del></del>
SITE IS NOT FE	THE THE	F FA	CT OR SOUT	H SIDES.	
SITE IS NOT PE	THEED ON THE		,, -, -, -,		
VI. SOURCES OF INFORMATION	• mecus .s.e.mecee • \$ mais well ?		porti	<del></del>	<del></del>
TEPA FILES				<del></del>	<u></u>
1 -					. ,
SITE RECOW					•
CITE INSPECTION	NOF 5-4-	74			

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7	

	L IDENTIFICATION					
ľ	OI STATE	OZ SITE MUNICER				
	工L	ILD 059 48308,				

<b>⇔EPA</b>	SITE INSPECTION REPORT PART 8 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA				工L	ILD 059 483081	
IL DRINKING WATER SUPPLY							
01 TYPE OF OFBIONG SUPPLY (Cheef at equipment)		OZ STATUS	-		·	031	DISTANCE TO SITE
SURFACE	WELL	ENDANGERE		ED N	MONITORED		70
COMMUNITY A. C	8.07	A.Æ	8. 0		C. 🖸	٨.	-,28 m
NON-COMMUNITY C. []	O. Æ	O. Ø	€. 🛈		F. Q	<b>8</b>	
HL GROUNDWATER					<u> </u>		
01 GROUNOWATER USE IN VICINITY (Check						•	
A ONLY SOURCE FOR DRINKING	G 8 DANKING (Other searces shades COMMERCIAL IN (No other sector source	OUSTRIAL, PRIGATION		MERCIAL Medical solution	PODUSTRIAL PARICAT	non c	) D. NOT UBED, UNUSEA <b>RLE</b>
02 POPULATION SERVED BY GROUND WA	TER 5174		03 DISTANCE T	O NEARES	RETAW DANKING TH	WELL	- /7 (m)
04 DEPTH TO GROUNDWATER	05 DIRECTION OF GRO	DUNDWATER FLOW	OS DEPTH TO A		OF POTENTIAL YIE	م	08 SOLE SOURCE ADUFER
20	NORTH	WEST	OF CONCER	<del>PV</del> (ft)	OF ACUFER	أ ير ا	O YES DE'NO
					L	_ (000)	
OF DESCRIPTION OF WELLS INCLUDE WARD UNION WELL 2 — UNION WELL 4 — RESIDENTIAL WELLS	760 DEEP USI	NG SANDSTUL	EAQUIF	ER, L	OCATED TO		
10 RECHARGE AREA			11 DISCHARGE	AREA			
TYES COMMENTS			O YES C	COMMEN	rs		·
□ NO			□ NO				•
IV. SURFACE WATER		<del></del>	<del></del>		<del> </del>		
01 SURFACE WATER USE; Check and)  C. A. RESERVOIR, RECREATION DRINKING WATER SOURCE	IMPORTA	ON. ECONOMICALL' NT RESOURCES	y = C c. cc	OMMERCI	AL, INOUSTRIAL	<b>)</b>	Ó. NOT CURRENTLY USED
02 AFFECTED POTENTIALLY AFFECTED	SODES OF WATER						
NAME.					AFFECTE	•	DISTANCE TO SITE
NONE							4-3
			<del></del>			-	(m)
					3	_	(w)
V DEMOCRACING AND OBCOSES	TY INFORMATION						
V. DEMOGRAPHIC AND PROPER	1 INFURMATION		<del></del>		2 DISTANCE TO WAY	× 17 ~~~	IX A DOWN
01 TOTAL POPULATION WITHIN		_			2 DISTANCE TO NEA	nest POP	COLUMN TO THE PARTY OF THE PART
ONE (1) MILE OF SITE  A. 672  NO OF PERSONS	B 966 No of Persons		1400 100 of Persons	me		. )	) (ml)
03 NUMBER OF BUILDINGS WITHIN TWO	21 MILES OF SITE		04 DISTANCE	TO NEARE	ST OFF-SITE BUILDS	•0	
	<del>-</del>		1			22	(m)
05 POPULATION WITHIN VICINITY OF SITE	(Provide narrayna de se mores	el nerve al annum	1	Arr -4			
VILLAGE OF UNIC	~ LIES	WEST WI	TH SITE	E BE	ing Loca	TED	
OF TOWN LIMIT	5. NURTH	PND NO	RTHEAST	T AR	E COMME	FRCIT	SINES
WITH FARMLAN	B SURRUV	noine s	ITE OF	r E4	HT 2 300	/ 1 <b>4</b> /	1067

# POTENTIAL HAZARDOUS WASTE SITE

L IDENTIFICATION

SEPA	SITE INSPECT PART 5 - WATER, DEMOGRAPHI		1 37	L TLD 059 483081		
VI. ENVIRONMENTAL INFORM	ATION	· · · · · · · · · · · · · · · · · · ·	<del></del>			
OI PERMEABILITY OF UNSATURATED	ZONE (Check ever					
- □ A. 10-4 - 10	7* cm/sec (\$8, 10-4 - 10-4 cm/sec   0	C. 10-4 - 10-3 cm/	SEC CO GREATER THAN I	0-1 cm/sec		
02 PERMEABALTY OF BEDROCK ICHICA	1 0101			<u> </u>		
A. MPER	MEABLE . G. B. RELATIVELY IMPERMEABL 10 <sup>-6</sup> on sect 10 <sup>-6</sup> on sect	E C. RELATIVEL	Y PERMEABLE D. VERY I	PERMEABLE		
03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMPATED SOIL ZONE	05 3OL #				
120 IN	UNTROWNIN					
06 NET PRECIPITATION	OF ONE YEAR 24 HOUR RAINFALL	ON SLOPE SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE		
3.5 (m)	2-9 (in)		EXN			
OF FLOOD POTENTIAL  SITE IS N > 500 YEAR FL	C SITE IS ON BARRII	ERISLAND, COASTA	L HIGH HAZARD AREA, RIVER	INE FLOODWAY		
		Y				
11 DISTANCE TO WETLANDS IS NO PO		12 DISTANCE TO CAN	TICAL HABITAT (of endengand species	4		
ESTUARINE	OTHER			_ (ml)		
A (mi)	B(mi)	ENDANGER	ED SPECIES:	•		
13 LANGUSE IN VICINITY		1				
DISTANCE TO:	RESIDENTIAL AREAS, NATIO			JRAL LANDS		
COMMERCIAL/INDUS	TRIAL FORESTS, OR WILDLIF	ERESERVES	PRIME AG LAND	AG LAND		
A -02 IF	TN) 8	(mi)	c <u>-04</u> (m)	D(mi		
14 DESCRIPTION OF SITE IN RELATIO	ON TO SURROUNDING TOPOGRAPHY			<del></del>		
25						
\$ 325 0	COCK ROAD	30		GH BRIDGE 837		
*1×0	827		3R 835	••		
		أني		: <b>3</b>		
NOATA	WESTERN					
	WESTED	g.		<u> </u>		
		Union	AD			
12		****	- X			
			• • · · · · · · · · · · · · · · · · · ·			
UNION 11-5	ROADA D.					
24 D	8	co.	DUMP AREA	Tristanda Rec		
	MICAL-		THE A	, a		
1/6 ) al bais	CALIFORNIA CHEMICAL	850		and the		
Time of the state	TEORIN	\ \ \ \ \				
	O. CA		Museum			
		$\mathcal{L}$				
1 1860			(°  a5/_ 1	BLL RC		
VII. SOURCES OF INFORMA	TION rate species reserves all state that somewhere	a 1900/(\$)				
IEPA FILES			~			
HAZAND REVIE	IN REPORT FOR UNION B	PUBLIC WAT	TER SUPPLY (I	Ern)		
IEPA FILES HAZARD REVIEW REPORT FOR UNION PUBLIC WATER SUPPLY (IEPA)						

SITE RECON & INSPECTION

9.	EPΔ

#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 6 - SAMPLE AND FIELD INFORMATION

	FICATION
O1 STATE	OZ SITE HUMBER
ITL	ILD 059 48308

BAMPLES TAKEN			
SAMPLE TYPE	OI NEADER OF SAMPLES TAKEN	02 SAMPLES SENT TO	OJ ESTMATED DATE
GROUNDWATER	3	SUUTHWEST LABS OF OKLAHUMA SILUGR VALLEY LABS MIBRA CENTRAL REGION LAB-CHICAGO - DRINKING WATER	
SURFACE WATER			
WASTE			
A/A			<b>——</b>
RUNOFF			
SPLL			
SOL	10	SOUTHWEST LARS OF OKLAHUMA (BROKENARROW, OK) SILVER VALLEY LARS (HELLOG, DAMHO)	1
VEGETATION			
OTHER			
L FIELD MEASUREMENTS 1	AKEN		
TYPE	02 COLEENTS		
HNU	NO REA	DINGS OVER BACKGROUMP	
Ph			
CONDUCTIVITY	_		
TEMPERATURE			<del></del>
			······································
IV. PHOTOGRAPHS AND MA	PS		
OI TYPE & GROUND CI NER	AL .	02 IN CUSTODY OF TEPA	
· · · · · · · · · · · · · · · · · · ·	ON OF MAPS	Mone of progression by instructed	
· -	EPA	·	·
V. OTHER FIELD DATA COL	LECTED mo-	to od rigingia)	
NONE			
			·
VI. SOURCES OF INFORMA	TION CIO MORPE INTOINES	5 P g STATE (PGS SAMORE ANDYSIE /ACOUST)	
IETO SITE 1	NSPECTION	OF MAY 4+5, 1994	•
			•

SEPA		SIT	E INSPE	HAZARDOUS WASTE SITE USPECTION REPORT OWNER INFORMATION  L IDENTIFICATION  OU STATE OF STEEN  L IDENTIFICATION  L IDENTIFICATION				
CURRENT OWNER(S)				PARENT COMPANY				
UNTINOWN		02 D+8 HU	MBER	CA NAME	<del></del>	C	9 0+ 0	NUMBER
STREET ADDRESS IP O des MOP site I		04 840	CODE	10 STREET ADDRESS IP 0 &	ne, #0 / ext		"	SIC CODE
an	DG STATE	07 2000	ŧ	12 017		13 STATE	4 20	<b>∞∞€</b>
1 NAME		02 D+8 M	MBER	OB NAME			0+0	NUMBER
STREET ADDRESS (P.O. BOL MOV. OR)		04 940	COOE	10 STREET ADDRESS IP 0 &	M. AFD # 440.)		1	SIC COOR
sary	OG STATE	07 ZIP CO	×	12 CITY		13 STATE	14 28	C00€
DI NAME	<u> </u>	02 D+8 N	UMBER	OB NAME	<del> </del>		09 0+	B NUMBER
STREET ADDRESS (PO box MOP arc)		04 54	C COOE	10 STREET ADDRESS IP 0 I	los. #D # esc /		ľ	SIC CODE
з ату	OG STATE	07 ZIP CO	Œ	12 017		13 STATE	14 200	CODE.
DI NAME	1	02 D+8 N	UMBER	OB NAME			090+	& NUMBER
03 STREET ADDRESS (F O Box MO F MC )		04 S	C COOE	10 STREET ADDRESS (F O	Box NO F ore		<u>ا</u>	1 SIC CODE
os arv	O6 STATE	07 20 CC	)OE	12 017		13 STATE	1 4 24	CODE
BL PREVIOUS OWNER(S) (Las root record that	<del></del> ,	<u> </u>		IV. REALTY OWNERS	5) // 400-2000, 60/	M recent Brid	<u> </u>	
EDWINB. KING		02 0+B N	UMBER	O1 NAME			02 0-	8 HUMBER
CALSO IL CORP		04 :	SC COOE	OJ STREET ADDRESS (P O	But AFD 0 one.)			94 SIC CODE
AUST IN	TX	07 ZP ∝	XXE	06 aTY	<del></del>	06 STATE	07.2	COOL
O1 NAME	· · · · · ·	02 D+8 A	NMBER	01 AME	<del></del>		02.0	+ 8 MUMBER
03 STREET ADDRESS (P 0 min #40 F mm )		04 5	9/C COOE	OS STREET ADDRESS IP O	<b>≥</b> ≈00 m;	<del></del>	1	04 SIC CODE
os any	OS STAT	E 07 200 CC	XXE	os city	<del></del>	00 STATE	E 07 Z	COOE
O1 NAME		02 0+8	MUMBER	01 NAME		1	05.0	+ 8 MUMBER
OJ STREET ADDRESS (P 0 dos AFD # sec )		1 04	9IC COOE	03 STREET ADDRESS IP 0	Box AFD # erc		٠	04 SIC CODE
oscary	OBSTAT	E 07 ZIP	COOE	05 017	<u> </u>	O6 STAT	E 07 Z	P COOE
V. SOURCES OF INFORMATION ICE. SO	ERC 710000		Mer sample tha	N =40, reports)			1	
MCHERRY COUNTY					<u> </u>	· · · · · · · · · · · · · · · · · · ·		
1		, , , , 3		-				
IEPA FILES SITE REPRESENTATI		T- A	1.1151					

SITE REPRESENTATIVE

Ş	EF	Ą
7		•

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 8 - OPERATOR INFORMATION

	L IDENTIFICATION						
		OZ SITE NUMBER					
1	IL	ILD 059 483081					

CURRENT OPERATOR	and their property		OPERATOR'S PARENT COMPANY Turkey			
OZ D+8 MANER			10 NAME	11	O+ B HUMBER	
NONE  OS STREET ADDRESS (P.O. But. MO.P. ont.)  O4 SEC CODE			12 STREET ADDRESS IP O Ban.	#00 et )	113 SIC COOE	
an	04 STATE	07 ZP CODE	14 017	15 STATE 16	DF COOE	
YEARS OF OPERATION OR NAME OF ON	MER			<del></del>		
II. PREVIOUS OPERATOR(S)	would drill provide and	y f different leads descript	PREVIOUS OPERATORS	PARENT COMPANIES	PALIDAY	
I HAVE		02 0+6 NUMBER	10 NAME		0+8 NUMBER	
STREET ADDRESS (FO Aut. ALD F. exc.)		04 SIC CODE	12 STREET ADDRESS (P O Bus.	Aros est	13 SIC CODE	
san	OG STATE	OT UP COOE	14017	15 STATE 1	e DP CODE	
6 YEARS OF OPERATION 09 NAME OF O	WHER DURING THE	S PERIOD				
1 NAME		02 D+8 MUMBER	10 NAME		1 0+8 NUMBER	
STREET ADDRESS (P.O. Seat. MO.F. IR.)		04 SIC CODE	12 STREET ADDRESS IP O Box	AFO # (*)	13 SIC CODE	
s city	OB STATE	07 ZIP COOE	14 017	15 STATE 1	6 ZP COOE	
NE YEARS OF OPERATION OF NAME OF C	WHER DURING TH	IS PERIOD	1		<del></del>	
)1 NAME	<u> </u>	02 D+8 NUMBER	10 NAME		110+8 NUMBER	
O3 STREET ADDRESS (F O and, AFO F. mg.)			12 STREET ADDRESS IP 0 AM	I. AFD # (E)	13 SIC CODE	
D6 CITY	OS STATE	07 ZIP COO€	14 CTY	15 STATE	16 ZP COOE	
DE YEARS OF OPERATION OR NAME OF C	THREE DURING TO	es PERIOD				
, i						

MCHERRY COUNTY COURTHOUSE RECORDS

I EPA FILES

SITE REPRESENTATIVE FATERVIEWS

<b>\$EPA</b>		POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 9 - GENERATOR/TRANSPORTER INFORMATION			LIDENTIFICATION OF STATE OF STEENANDER TL PLD 059 493 081	
II. ON-SITE GENERATOR				<del></del>		
OI NAME	0	2 D+8 HUMBER	T	<del></del>	<del></del>	
NONE						
03 STREET ADDRESS (FO but MOF mil)	·	04 B/C 000E	7			
		į				
OS CITY	OS STATE O	7 ZP CODE	7			
			1			
III. OFF-SITE GENERATOR(S)						
O1 NAME	19	D2 D+8 MUMBER	01 NAME	0	2 D+8 NUMBER	
			<u> </u>	1		
OJ STREET ADORESS (P.O. Box, AFO P. erc.)		04 SIC CODE	03 STREET ADDRESS IP 0 Box MOP ME I	·	04 SIC COOE	
	Top extret	1 2 2 2 2 2		1		
os ary .	STATE	07 ZIP COD€	os atr	OB STATE	17 ZIP CODE	
O1 NAME	<del></del>	OZ D+8 NUMBER	O1 NAME		2 0+8 NUMBER	
					201810-201	
OJ STREET ADORESS IP O BOX MOP ME I		04 SIC CODE	OJ STREET ADDRESS IP O BM APD # ME!		04 SIC CODE	
					1	
OS CITY	DO STATE	07 ZIP CODE	os ary	OG STATE	7 ZP COOE	
	1 . 1			1 1		
(V. TRANSPORTER(S)			<del></del>			
01 NAME		02 D+8 NUMBER	O1 HAME		02 0+8 NUMBER	
NONE	(		{	į.		
03 STREET ADDRESS IP 0 Box. NEO P one 1		04 SIC CODE	03 STREET ADDRESS IP 0 mm #D 0 mm;		04 SIC COOE	
			<del> </del>		1	
OS CITY	OS STATE	07 ZP CCOE	06 CTY	06 STATE	97 ZP COOE	
O1 NAME		02 D+8 NUMBER	O1 NAME		02 0+8 MARKER	
					<u> </u>	
O3 STREET ADDRESS (P 0 But AFO P MC)		04 SIC COOE	03 STREET ADDRESS (P 0 Box NO P 482)		04 SEC COOE	
	log er i ve	100000				
os any	V 31 7 1 E	07 23P COOE	06 CTTY	OB STATE	07 ZP CODE	
		L				
V. SOURCES OF INFORMATION CON	-	e y , acore fine, namero analy	es. reperter			
TERN THEC		•		·		
IEPA FILES				•		
· ·					•	
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1						
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<b>⊕EPA</b>	
L PAST RESPONSE ACTIVITIES	
01 C A WATER SUPPLY CLOSED 04 DESCRIPTION	
$\mathcal{N}/\mathcal{A}$	

### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

		TETCATION
		02 SITE NUMBER
1	エレ	ILD 059 48308

	ART 10 - PAST RESPONSE ACTIVITIES	IL   ILD 059 483081
L PAST RESPONSE ACTIVITIES		
01 C A WATER SUPPLY CLOSED	OZ DATE	03 AGENCY
04 DESCRIPTION W/A		
01 G & TEMPORARY WATER SUPPLY PROVIDED	OZ DATE	03.405967
04 DESCRIPTION		water
01 C. PERMANENT WATER SUPPLY PROVIDED	02 DATE	03 AGENCY
04 DESCRIPTION	02 0416	03 AGENCY
NA		
01 () D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	Q3 AGENCY
MA		
01 D E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	O2 DATE	03 AGENCY
NA		
01 D F. WASTE REPACKAGED	O2 DATE	03 AGENCY
04 DESCRIPTION NA		}
01 G Q WASTE DISPOSED ELSEWHERE	02 DATE	03 AGENCY
04 DESCRIPTION V/a		·
01 C H ON SITE BURIAL	OZ DATE	03 AGENCY
04 DESCRIPTION MA		
01 D L IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
N/a		
01 D.J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	OZ DATE	03 AGENCY
. N/a	.*	
01 D K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
N/a		
01 C L ENCAPSULATION	02 DATE	03 AGENCY
04 DESCRIPTION M/A		
01 C M EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
MA		
01 G N CUTOFF WALLS	02 DATE	03 AGENCY
04 DESCRIPTION NA		
01 G O EMERGENCY DIKING SURFACE WATER	DIVERSION 02 DATE	03 AGENCY
04 DESCRIPTION N/9		
01 D P CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY
N/A		
01 0 Q SUBSURFACE CUTOFF WALL	02 DATE	03 AGENCY
04 DESCRIPTION W/A		



#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

L IDENTIFICATION

OI STATE OF SITE MANSER

TL TLD 059 483 08/

IL ENFORCEMENT INFORMATION

OI PAST REGULATORY/ENFORCEMENT ACTION CI YES PINO

02 DESCRIPTION OF FEDERAL STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

MONE

IL SOURCES OF INFORMATION (CAN SOME OF PROPERTY AND ADDRESS AND AD

IEPA FILES

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# POTENTIAL HAZARDOUS WASTE SITE

	TERCATION	٦
OI STATE	OU SITE NUMBER	***
4 <del></del>	ILD 059 48300	,,

PART 10 - PAST RESPONSE ACTIVITIES	IL ILO 059 4830
02 DATE	03 AGENCY
02 DATE	03 AGENCY
OZ DATE	03 AGENCY
	:
O2 DATE	03 AGENCY
*	·
O2 DATE	03 AGENCY
02 DATE	03 AGENCY
02 DATE	03 AGENCY
02 DATE	03 AGENCY
<u>·</u>	
O2 DATE	03 AGENCY
	,
O2 DATE	O3 AGENCY
·	
02 DATE	03 AGENCY
02 OATE	03 AGENCY
	PART 10 - PAST RESPONSE ACTIVITIES  02 DATE

## APPENDIX D

# TARGET COMPOUND LIST

SOUTHERN CALIFORNIA CHEMICAL COMPANY

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			•	
<del></del>		·		

## TARGET COMPOUND LIST

#### **Volatile Target Compounds**

Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chlorde	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroehtene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1,1,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

#### **Base/Neutral Target Compounds**

Hexachloroethane	2,4-Dinitrotoluene	
bis(2-Chloroethyl) Ether	Diethylphthalate	
Benzyl Alcohol	N-Nitrosodiphenylamine	
bis (2-Chloroisopropyl) Ether	Hexachlorobenzene	
N-Nitroso-Di-n-Propylamine	Phenanthrene	
Nitrobenzene	4-Bromophenyl-phenylether	
Hexachlorobutadiene	Anthracene	

Di-n-Butylphthalate
Fluoranthene
Pyrene
Butylbenzylphthalate
bis(2-Ethylhexyl)Phthalate
Chrysene
Benzo(a)Anthracene
3-3'-Dichlorobenzidene
Di-n-Octyl Phthalate
Benzo(b)Fluoranthene
Benzo(k)Fluoranthene
Benzo(a)Pyrene
Ideno(1,2,3-cd)Pyrene
Dibenz(a,h)Anthracene
Benzo(g,h,i)Perylene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene

### **Acid Target Compounds**

Benzoic Acid	2,4,6-Trichlorophenol	
Phenol	2,4,5-Trichlorophenol	
2-Chlorophenol	4-Chloro-3-methylphenol	
2-Nitrophenol	2,4-Dinitrophenol	
2-Methylphenol	2-Methyl-4,6-dinitrophenol	
2,4-Dimethylphenol	Pentachlorophenol	
4-Methylphenol	4-Nitrophenol	
2,4-Dichlorophenol		

### Pesticide/PCB Target Compounds

	<u> </u>
alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
delta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlordane
Heptachlor	gamma-Chlordane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

#### **Inorganic Target Compounds**

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium .
Cobolt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	

## **DATA QUALIFIERS**

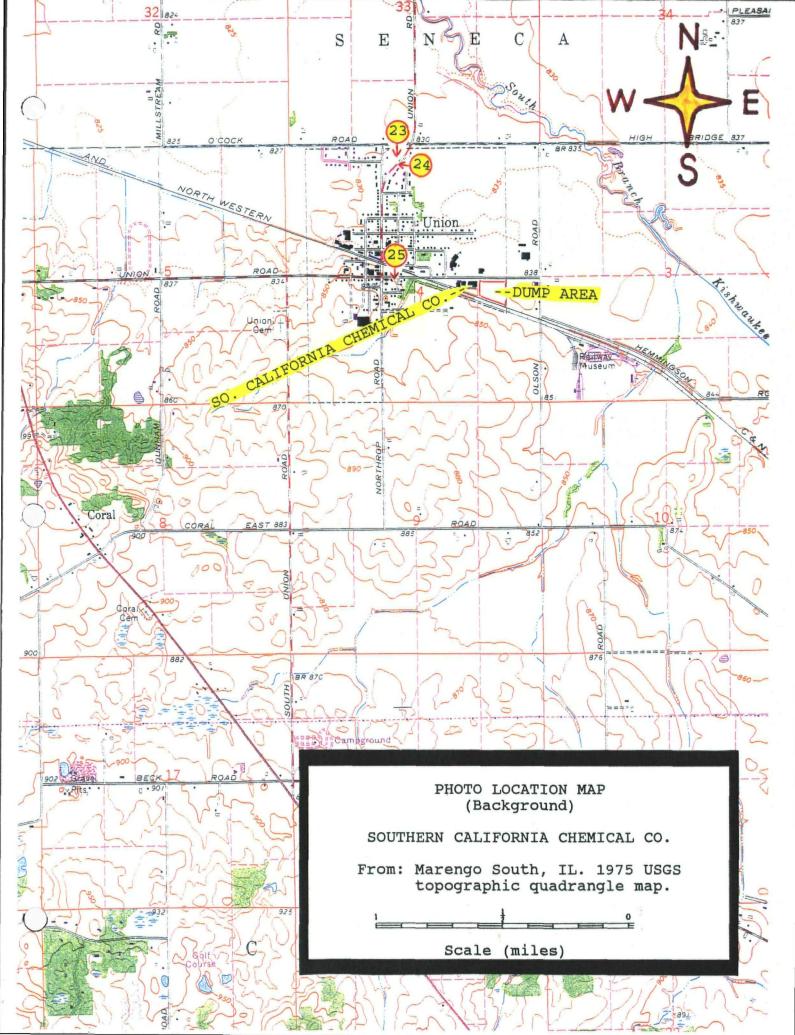
QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICS) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
С	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
В	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is reanalyzed at a higher dilution factor as in the "E" flag, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values are flagged with the "D" flag.	Not used.
E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference.
<b>A</b>	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
М	Not used.	Duplicate injection (a QC parameter not met).

N	Not used	Spiked sample (a QC parameter not met).
S	Not used.	The reported value was determined by the Method of Standard Additions (MSA).
w	Not used.	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
•	Not used.	Duplicate analysis (a QC parameter not within control limits).
+	Not used.	Correlation coefficient for MSA (a QC parameter) is less than 0.995.
Р	Not used.	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
cv	Not used.	Method qualifier indicates analysis by Cold Vapor AA.
AV	Not used.	Method qualifier indicates analysis by Automated Cold Vapor AA.
AS .	Not used.	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
Т	Not used.	Method qualifier indicates Titrimetric análysis.
NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
R .	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

# APPENDIX E IEPA SITE PHOTOGRAPHS

SOUTHERN CALIFORNIA CHEMICAL COMPANY





TIME: 11:25

PHOTOGRAPH TAKEN BY: Robert Casper

PHOTO NUMBER: 1

LOCATION: L 1110900002
McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the north.

Photo taken at sample point G101. The SO GOOD BAR B QUE Company in the background is an active business and lies across Jefferson Street.



DATE: May 4, 1994

TIME: 11:25

PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 2

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the west.

Manufacturing building of So. California Chemical Co. is to the upper left. The well to the right is a piezometer and was not sampled. Jefferson Street is to the right of the photo.



TIME: 12:05

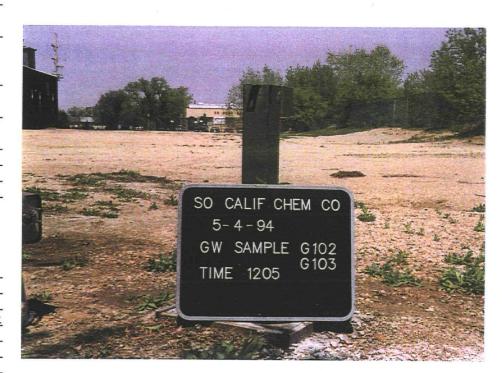
<u>PHOTOGRAPH TAKEN BY:</u> Robert Casper

PHOTO NUMBER: 3

LOCATION: L 1110900002
McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the north.

Sample G102 and duplicate sample G103 collected from a monitoring well located near the southeast corner of the So. Calif.
Chemical Co. property.
Dump area lies to the right beyond the green fence.



DATE: May 4, 1994

TIME: 12:05

PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 4

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the east.

The dump area lies beyond the fence. The CNW RR tracks are to the right of the photo.



TIME: 14:20

PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 5

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the east.

Sample X102 was collected in a drainage pathway along the CNW Railroad tracks, which can be seen in the upper right corner of the photo.



DATE: May 4, 1994

TIME: 14:20

PHOTOGRAPH TAKEN BY: Robert Casper

PHOTO NUMBER: 6

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the northwest.

Sample X102 was collected at a depth of 2 to 3 feet. The southeast corner of the fence of So. Calif. Chem. Co. is left of the rusted object. The dump area is to the right.



TIME: 15:40

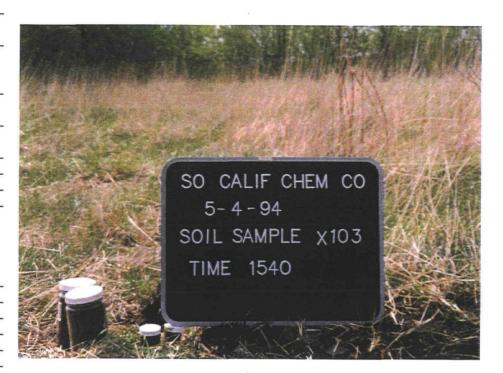
PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 7

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the west.

Sample X103 was collected in the southwestern part of the dump area. The sampling depth was 6 to 8 inches where a brown layer was encountered.



DATE: May 4, 1994

TIME: 15:40

<u>PHOTOGRAPH TAKEN BY:</u> Robert Casper

PHOTO NUMBER: 8

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the east.

Sample X103 was collected on the high portion of the dump area. This part of the property has a layer of printed circuit board debris under the surface which the hand augers could not penetrate.



TIME: 16:15

PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 9

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the north.

Sample X104 and duplicate sample X105 were collected at this location and inadvertently listed as X103 on the photo board. The sample was obtained in a low area in the southeast section of the dump area. Note RV tracks.



DATE: May 4, 1994

TIME: 16:15

PHOTOGRAPH TAKEN BY: Robert Casper

PHOTO NUMBER: 10

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the west.

Sample point X104/X105
mistakenly labeled as
X103 on the photo board.
Sample was obtained at a
depth of 2 to 3 feet in
an area that contains
standing water during
various times of the year.



TIME: 10:25

PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 11

LOCATION: L 1110900002

McHenry County

So. Calif. Chemical Co.

ILD: 059483081

PICTURE TAKEN TOWARD the east.

Sample collected in the central portion of the dump area on high ground near the boundary with the lower ground. Sample collected at a depth of 2 to 3 feet.



DATE: May 5, 1994

TIME: 10:25

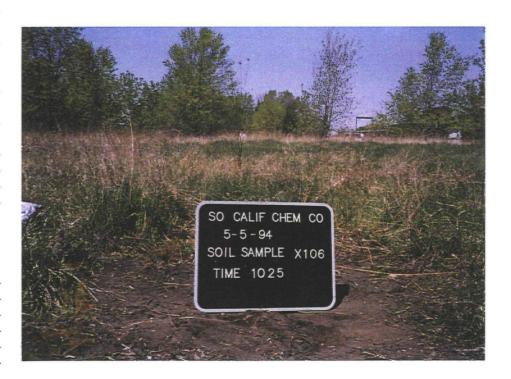
PHOTOGRAPH TAKEN BY: Robert Casper

PHOTO NUMBER: 12

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the west.

Sample X106. So. Calif.
Chemical Co. property is
beyond the fence at the
top of the hill.



TIME: 10:45

PHOTOGRAPH TAKEN BY: Robert Casper

PHOTO NUMBER: 13

LOCATION: L 1110900002

McHenry County

So. Calif. Chemical Co.

ILD: 059483081

PICTURE TAKEN TOWARD the west.

Sample X107 collected at the northeast section of the dump area at a depth of 2 to 3 feet.



DATE: May 5, 1994

TIME: 10:45

PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 14

LOCATION: L 1110900002
McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the east.

Sample X107. Property ends at the treeline at the top of the photo.



TIME: 11:05

PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 15

LOCATION: L 1110900002
McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the east.

Sample X108 in the northwest portion of the dump area on the high ground side. The sample was collected at a depth of 2.5 to 3.5 feet.



DATE: May 5, 1994

TIME: 11:05

<u>PHOTOGRAPH TAKEN BY:</u> Robert Casper

PHOTO NUMBER: 16

LOCATION: L 1110900002
McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the west.

Sample X108. The fence separating the dump area and the So. Calif. Chem. Co. property is approximately 95 feet beyond the photoboard.



TIME: 11:25

PHOTOGRAPH TAKEN BY: Robert Casper

PHOTO NUMBER: 17

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the south.

Sample X109 was collected from a wetland north of the dump area across
Jefferson Street at a depth of 6 to 12 inches.
Beyond the fence in the background is the dump area.



DATE: May 5, 1994

TIME: 11:25

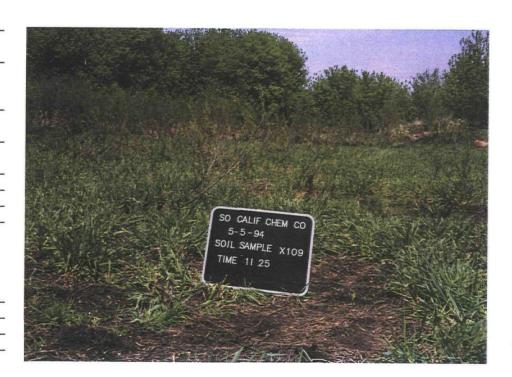
PHOTOGRAPH TAKEN BY: Robert Casper

PHOTO NUMBER: 18

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the northwest.

Sample X109.



TIME: 11:45

PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 19

LOCATION: L 1110900002
McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the south.

Sample X110 collected from the northern portion of the wetland located north of the dump area. Sample was collected at a depth of 6 to 12 inches.



<u>DATE:</u> May 5, 1994

TIME: 11:45

PHOTOGRAPH TAKEN BY: Robert Casper

PHOTO NUMBER: 20

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the north.

Sample X110. The So Good Bar B Que company is located left of the photo.



TIME: 12:15

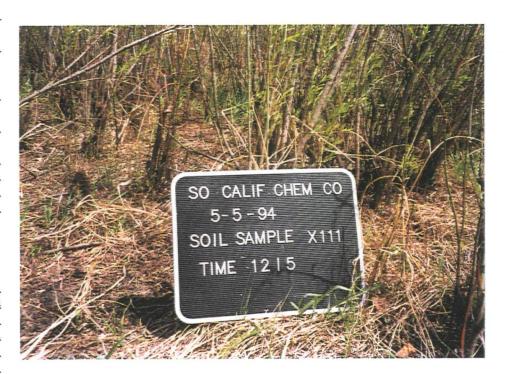
PHOTOGRAPH TAKEN BY: Robert Casper

PHOTO NUMBER: 21

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the north.

Sample X111 collected in the wetland located north of the dump area. The sample was collected at a depth of 6 to 12 inches.



DATE: May 5, 1994

TIME: 12:15

<u>PHOTOGRAPH TAKEN BY:</u> Robert Casper

PHOTO NUMBER: 22

McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the south.

Sample X111. Jefferson
Street is visible in the
upper portion of the
photo.



TIME: 12:50

PHOTOGRAPH TAKEN BY:
Robert Casper

PHOTO NUMBER: 23

LOCATION: L 1110900002 McHenry County So. Calif. Chemical Co. ILD: 059483081

PICTURE TAKEN TOWARD the south.

Background sample X101 collected at Union Park, located approximately 3,000 feet northwest of the site.



DATE: May 5, 1994

TIME: 12:50

<u>PHOTOGRAPH TAKEN BY:</u> Robert Casper

PHOTO NUMBER: 24

LOCATION: L 1110900002
McHenry County
So. Calif. Chemical Co.
ILD: 059483081

PICTURE TAKEN TOWARD the west.

Sample X101 was collected at a depth of 6 to 12 inches.



